

From aprssig@tapr.org Thu Nov 07 16:03:33 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP
id AA1581 ; Thu, 07 Nov 96 15:47:58 UTC
Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA03594; Thu, 7 Nov 1996 17:38:42 -0600
(CST)
Date: Thu, 7 Nov 1996 17:38:42 -0600 (CST)
Message-Id: <199611072338.RAA03594@tapr.org>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6212] APRSSIG digest 759
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Status: R

APRSSIG Digest 759

Topics covered in this issue include:

- 1) Re: Registered User, New Call Sign
by Bob Bruninga <bruninga@nadn.navy.mil>
- 2) Re: Guiding hand
by rgervenack@juno.com (Robert W Gervenack)
- 3) nodes
by "DAVID MICHAEL GAYTKO ***@*** FM15mm" <cn2859@coastalnet.com>
- 4) Re: GPS Antennas for the Garmin GPS-40
by Jon Albers <74024.2000@CompuServe.COM>
- 5) Re: GPS Antennas for the Garmin GPS
by schiers@ames.net
- 6) Re: GPS Antennas for the Garmin GPS
by Randy Hammock <hammock@wired.jpl.nasa.gov>
- 7) Re: GPS Antennas for the Garmin GPS
by schiers@ames.net
- 8) Re: GPS Antennas for the Garmin GPS
by Michael Malloy <mmjjmm@post.its.mcw.edu>
- 9) Re: GPS Antennas for the Garmin GPS
by Michael Malloy <mmjjmm@post.its.mcw.edu>
- 10) Re: GPS Antennas for the Garmin GPS
by "Paul W. Burke" <pwburke@imperium.net>

- 11) Re: GPS Antennas for the Garmin GPS
by rkramer@merge1.mergetel.com (Ronald Kramer)
- 12) Re: GPS Antennas for the Garmin GPS
by jkozak@erols.com (John W. Kozak)
- 13) Re: GPS Antennas for the Garmin GPS
by Joe Agrelo <jagrelo@cris.com>
- 14) Re: GPS Antennas for the Garmin GPS
by jkozak@erols.com (John W. Kozak)
- 15) Re: Hercules Monitor & APRS
by tcweeden@execpc.com (Tom Weeden)
- 16) Army/Navy football tracking
by Bob Bruninga <bruninga@nadn.navy.mil>
- 17) Re: Army/Navy football tracking
by TCox17892@aol.com

Date: Wed, 6 Nov 1996 20:17:51 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: Registered User, New Call Sign
Message-ID: <Pine.GS0.3.95.961106201304.12965E-100000@arctic>

On Wed, 6 Nov 1996, someone wrote:

> Hi Bob! I am a registered APRS user (Wxxx). New Vanity Call Sign is
> YYYY. What do I need to do or, what do you need from me to received and
> new registration number to validate and save APRS setups?

APRSDOS REPLY/COMMENT: Having received 4 of these TODAY, it is going to be a significant burden. If you will look in the REGISTER.txt file, I believe in recent versions of APRS, that the suggested procedure is to send I think it was \$7 to my clerks (kids) and they will generate the new numbers and the postcard...

Reply mail addr: wb4apr@amsat.org
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Wed, 6 Nov 1996 16:15:37 pst
From: rgervenack@juno.com (Robert W Gervenack)

To: aprssig@tapr.org
Subject: Re: Guiding hand
Message-ID: <19961106.161540.6567.0.rgervenack@juno.com>

Howdy
I am new at this also.
Someone will surely come forth to help you.
Good luck, 73, Gervie.

On Wed, 6 Nov 1996 09:25:48 -0600 (CST) "Matthew Kolade"
<kolade@algonet.se> writes:
>Pease Help! I am new on this level, and I am willing to learn. My
>fist
>machine is GPS-20, which I know more or less about. Please can
>someone
>give me a guiding hand? I am going to appreciate it
>
>thanks =20
>
>Matthew Kolade
>Victory Int'l Reklam
>Fyrkl=F6versgatan 22, 417 21 G=F6teborg,
>Sweden
>E-MAIL: kolade@algonet.se
>
>
>

Date: Thu, 07 Nov 1996 08:56:37 -0500
From: "DAVID MICHAEL GAYTKO ***@*** FM15mm" <cn2859@coastalnet.com>
To: aprssig@tapr.org
Subject: nodes
Message-ID: <1.5.4.32.19961107135637.0066a570@abaco.coastalnet.com>

am interested in monitoring aprs on vhf for propagation study, would like to
see a list of any digis say within
250 miles of Washington, NC. grid fm15mm.

also would like to know what setting would be necessary in the aprs program,

and what settings would be optimum
in my tnc to glean max info. (mfj 1278b) would also like to monitor
propagation on the hf bands.

also, anyone like to do some ms on 6/2/10m using aprs?

tk's . . . 73's

david

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:::      :::  :::::::::::      :::      :::      :::  :::::::::::  :::::::::::
:+:      :+  :+  :+  :+  :+  :+  :+  :+  :+  :+  :+  :+
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    ###  ###  #####  +##  +##  +##  +##  +##  +##

```

Date: 07 Nov 96 10:18:21 EST
From: Jon Albers <74024.2000@CompuServe.COM>
To: "INTERNET:aprssig@tapr.org" <aprssig@tapr.org>
Subject: Re: GPS Antennas for the Garmin GPS-40
Message-ID: <961107151820_74024.2000_BHT163-3@CompuServe.COM>

Has anyone had any experience with external antennas and the Garmin GPS-40?
It's a nice unit, but around my area, it's very hard to use inside a
vehicle.

--Jon Albers, KA30VK

Date: Thu, 07 Nov 96 11:55:29 -0500
From: schiers@ames.net
To: aprssig@tapr.org
Subject: Re: GPS Antennas for the Garmin GPS
Message-ID: <199611071758.LAA15879@tapr.org>

In <874751abbs.ames.net>, on 11/07/96 at 09:13 AM,
aprssig@tapr.org said:

>Has anyone had any experience with external antennas and the Garmin
>GPS-40? It's a nice unit, but around my area, it's very hard to use
>inside a vehicle.

>--Jon Albers, KA30VK

The paccomm active antenna for about 50 bucks (really a Trimble), is a steal. It performs perfectly with the 40. You do have to put on your own bnc...it comes with an SMB or SMA (can't keep them straight). Lots of people I know are using it and Gwynn is providing them to the amateur community at a significant discount. It is a tiny magmount antenna, like a very small hockey puck. Must be mounted on a metal surface or it won't perform. 73, hasan schiers, NOAN--

schiers@ames.net

Date: Thu, 07 Nov 1996 11:32:27 -0800
From: Randy Hammock <hammock@wired.jpl.nasa.gov>
To: aprssig@tapr.org
Subject: Re: GPS Antennas for the Garmin GPS
Message-ID: <3282394B.1CFB@wired.jpl.nasa.gov>

schiers@ames.net wrote:

> The paccomm active antenna for about 50 bucks (really a Trimble), is a
> steal. It performs perfectly with the 40. You do have to put on your own
> bnc...it comes with an SMB or SMA (can't keep them straight). Lots of
> people I know are using it and Gwynn is providing them to the amateur
> community at a significant discount. It is a tiny magmount antenna, like a
> very small hockey puck. Must be mounted on a metal surface or it won't
> perform. 73, hasan schiers, NOAN--

Not so! I tape mine to the top of my riding helmet when trail riding and it performs just fine. By the way, the price is now \$65 + s/h. The \$50 was an introductory price.

--

Randy Hammock	KC6HUR		Jet Propulsion Laboratory
mailto:hammock@wired.jpl.nasa.gov			4800 Oak Grove Drive
Voice: +1-818-393-1214			M/S: 264-580
Pager: +1-818-423-2062			PASADENA CA 91109

Date: Thu, 07 Nov 96 12:52:49 -0500
From: schiers@ames.net
To: aprssig@tapr.org
Subject: Re: GPS Antennas for the Garmin GPS
Message-ID: <199611071854.MAA18400@tapr.org>

In <875142@bbs.ames.net>, on 11/07/96 at 12:37 PM,
aprssig@tapr.org said:

>Not so! I tape mine to the top of my riding helmet when trail riding and
>it performs just fine. By the way, the price is now \$65 + s/h. The \$50
>was an introductory price.

You must be one of those guys with an old war injury and have a metal
plate in your head...that would 'splain it. (my sorry attempt at sick
humor)

Or maybe a distant cousin of Craig "IronHead" Heyward (NFL)?

hasan schiers, NOAN--

schiers@ames.net

Date: Thu, 7 Nov 1996 13:01:46 -0600 (CST)
From: Michael Malloy <mmjjmm@post.its.mcw.edu>
To: aprssig@tapr.org
Subject: Re: GPS Antennas for the Garmin GPS
Message-ID: <Pine.ULT.3.90.961107130028.7826B-100000@post.its.mcw.edu>

Can you tell me where I can reach Gwynn regarding this antenna. The 40

does not use a bnc. Would it require a new connector?

Michael J. Malloy
Medical College of Wisconsin
Milwaukee, Wisconsin

Amateur Radio: N9WJV
Voice: 414-384-2000 Ext.2129
Email: mmjmm@post.its.mcw.edu

Date: Thu, 7 Nov 1996 13:06:46 -0600 (CST)
From: Michael Malloy <mmjmm@post.its.mcw.edu>
To: aprssig@tapr.org
Subject: Re: GPS Antennas for the Garmin GPS
Message-ID: <Pine.ULT.3.90.961107130559.7826D-100000@post.its.mcw.edu>

Did you have to install a special connector to make it work on the Garmin 40. Where is Gwynn. I would like to give them a call.

Michael J. Malloy
Medical College of Wisconsin
Milwaukee, Wisconsin

Amateur Radio: N9WJV
Voice: 414-384-2000 Ext.2129
Email: mmjmm@post.its.mcw.edu

Date: Thu, 07 Nov 1996 14:09:48 -0500
From: "Paul W. Burke" <pwburke@imperium.net>
To: aprssig@tapr.org
Subject: Re: GPS Antennas for the Garmin GPS
Message-ID: <328233FC.4EBF@imperium.net>

schiers@ames.net wrote:

>

> In <874751abbs.ames.net>, on 11/07/96 at 09:13 AM,

> aprssig@tapr.org said:

>

> >Has anyone had any experience with external antennas and the Garmin

> >GPS-40? It's a nice unit, but around my area, it's very hard to use
> >inside a vehicle.
>
> >--Jon Albers, KA3OVK
>
> The paccomm active antenna for about 50 bucks (really a Trimble), is a
> steal. It performs perfectly with the 40. You do have to put on your own
> bnc...it comes with an SMB or SMA (can't keep them straight). Lots of
> people I know are using it and Gwynn is providing them to the amateur
> community at a significant discount. It is a tiny magmount antenna, like a
> very small hockey puck. Must be mounted on a metal surface or it won't
> perform. 73, hasan schiers, NOAN--
> -----
> schiers@ames.net
> -----Where do I
order it from?
Telephone number would be nice.

Thanks,

Paul
KB8VAS

Date: Thu, 07 Nov 1996 20:55:36 GMT
From: rkramer@mergetel.com (Ronald Kramer)
To: aprssig@tapr.org
Subject: Re: GPS Antennas for the Garmin GPS
Message-ID: <32824c77.16358587@mail.mergetel.com>

this should answer your questions de ron VE3MX..

On Thu, 7 Nov 1996 13:14:58 -0600 (CST), you wrote:

>> -----Where do I
order it from?
>Telephone number would be nice.
>
>Thanks,

>

>Paul

>KB8VAS

From: Gwyn Reedy <gwyn@paccomm.com>

Date: Thu, 10 Oct 1996 09:13:00 -0500 (CDT)

800-486-7388 or sales@paccomm.com or fax 813-872-8696.

Note: Introductory price of \$50 no longer in effect. Price now \$65 plus shipping, but it is still one of the best antennas and best deals around.

From: John W. Kozak[SMTP:jkozak@erols.com]

Sent: Thursday, October 10, 1996 3:47 AM

To: aprssig@tapr.org

Subject: [APRSSIG:5511] Re: Trimble GPS antenna

73 de Ron

Best Regard

Email: rkramer@mergetel.com ve3mx@mergetel.com

Packet: ve3mxave3snp

Date: Thu, 7 Nov 1996 15:12:21 -0500 (EST)

From: jkozak@erols.com (John W. Kozak)

To: aprssig@tapr.org

Subject: Re: GPS Antennas for the Garmin GPS

Message-ID: <199611072012.PAA10381@smtp2.erols.com>

Garman's external antenna, model GA 27, made for the GPS40 has a MCX connector, whatever that is. You may want to consider that antenna because of the connector. Check out www.navtechgps.com. They have it. It's more money than the trimble but does have the proper connector. I have the trimble antenna from Paccom on my Garmin GPS 90 and it works great. I used an Amphenol 31-315-RFX crimp-on BNC for RG-174 that works fine with it.

JWK

>Can you tell me where I can reach Gwynn regarding this antenna. The 40

>does not use a bnc. Would it require a new connector?

>

>

>Michael J. Malloy

Amateur Radio: N9WJV

>Medical College of Wisconsin

Voice: 414-384-2000 Ext.2129

>Milwaukee, Wisconsin

Email: mmjjmm@post.its.mcw.edu

>

>

>

>

>

Date: Thu, 07 Nov 1996 15:18:53 -0800

From: Joe Agrelo <jagrelo@cris.com>

To: aprssig@tapr.org

Subject: Re: GPS Antennas for the Garmin GPS

Message-ID: <32826E5D.72C6@cris.com>

Paul W. Burke wrote:

> > The paccomm active antenna for about 50 bucks (really a Trimble),

> Telephone number would be nice.

>

> Thanks,

>

> Paul

> KB8VAS

Try PacComm's web site at <http://www.paccomm.com>

73 De Joe N200C (new address & phone effective 8/15)

XX

Agrelo Engineering

Joe Agrelo/President

P.O.Box 231 Pattersonville, NY 12137 USA

ph (518)864-7551 effective 8/15

fax (518)864-7553 " "

<mailto:Jagrelo@cris.com>

WEB: <http://home.navisoft.com/agrelo/ae.htm>

Designer & Manufacturer of intelligent microprocessor

based Doppler, talking products and RF.
Experts in Microchip & Motorola processors
XX

Date: Thu, 7 Nov 1996 15:19:45 -0500 (EST)
From: jkozak@aerols.com (John W. Kozak)
To: aprssig@tapr.org
Subject: Re: GPS Antennas for the Garmin GPS
Message-ID: <199611072019.PAA11274@smtp2.erols.com>

>Has anyone had any experience with external antennas and the Garmin
>> >GPS-40? It's a nice unit, but around my area, it's very hard to use
>> >inside a vehicle.
>>
>> >--Jon Albers, KA30VK
>>
>> The paccomm active antenna for about 50 bucks (really a Trimble), is a
>> steal. It performs perfectly with the 40. You do have to put on your own
>> bnc...it comes with an SMB or SMA (can't keep them straight). Lots of

snip

Try www.paccomm.com I don't know their phone # offhand.

-----Where do I order
it from?
>Telephone number would be nice.
>
>Thanks,
>
>Paul
>KB8VAS
>
>
>

Date: Thu, 07 Nov 1996 14:21:01 -0500
From: tcweeden@execpc.com (Tom Weeden)
To: aprssig@tapr.org
Subject: Re: Hercules Monitor & APRS
Message-ID: <199611072021.0AA10264@mail.execpc.com>

>I went through about 10 CGA emulators and finally found one called
>"COLOR.COM"
>that works with aprs and hercules -If you cannot find this I have it here
>someplace
>73 de Dale kg5qd
>

=====

Hi Dale,

Could you either e-mail me the COLOR.COM emulator program or post it on
the TAPR FTP site? Thanks!!

-73- Tom WJ9H
--Tom Weeden, WJ9H
South-Central Wisconsin SKYWARN Net Manager

APRS: !4301.38N/08929.95W

Date: Thu, 7 Nov 1996 16:37:32 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Army/Navy football tracking
Message-ID: <Pine.GS0.3.95.961107162846.15167A-100000@arctic>

If you have access to an FM receiver or downconverter that will permit you
to tune a weak signal in the 250 to 260 MHz range please let me know.
With it, you may be able to track our two GPS chase vehicles on the
evening of 6 December during the annual running of the Army Navy game ball
between Annapolis and Philadelphia (128) miles. You dont have to be on
the East Coast to participate.

Date: Thu, 7 Nov 1996 17:16:09 -0500
From: TCox17892@aol.com
To: aprssig@tapr.org
Subject: Re: Army/Navv football tracking
Message-ID: <961107171607_1714420372@aemout13.mail.aol.com>

In a future year, perhaps you will be able to track the ball during the game.

End of APRSSIG Digest 759

From aprssig@tapr.org Fri Nov 08 16:22:47 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP
id AA1582 ; Fri, 08 Nov 96 15:51:45 UTC
Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA05339; Fri, 8 Nov 1996 17:44:40 -0600
(CST)
Date: Fri, 8 Nov 1996 17:44:40 -0600 (CST)
Message-Id: <199611082344.RAA05339@tapr.org>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6230] APRSSIG digest 760
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Status: R

APRSSIG Digest 760

Topics covered in this issue include:

- 1) APRS Pacific Station
by bbliss@juno.com (William B. Bliss)

- 2) GPS-20 HELP !!
by Robert Krasowski <kb2pnm@escape.com>
- 3) Re: GPS-20 HELP !!
by Robert Winingham <kc5ejk@onramp.net>
- 4) Re: TAWG FALL APRS CONFERENCE 1996 SUMMARY
by Doug Bade <baded@nacs.net>
- 5) Re: Army/Navy football tracking
by Jim Conrad <jjc@infi.net>
- 6) John Dent Haynes
by Ronald Oblinger <ronald@cyberstreet.com>
- 7) registration
by ke6nyt@fishnet.net (Dan Dicke)
- 8) Picopacket
by Bob Sayers <EPU@wmfs.telme.com>
- 9) Re: John Dent Haynes
by wa4mej@juno.com (john w dent)
- 10)
by Leroy.Lawhorn@275-17.usbbs.com
- 11) local 32 mile radius map
by ke6nyt@fishnet.net (Dan Dicke)
- 12) Re: registration
by Bob Bruninga <bruninga@nadn.navy.mil>
- 13) Re: local 32 mile radius map
by Bob Bruninga <bruninga@nadn.navy.mil>
- 14) Re: Army/Navy football tracking
by "Paul Gilmore" <pgilmore@beachnet.org>
- 15) Re: Army/Navy football tracking
by Bob Sayers <EPU@wmfs.telme.com>
- 16) When I press "S"
by David McCarthy <davidmc@goodnet.com>
- 17) Re: registration
by Barbara Fehner <fehner@acts.com>
- 18) TNC's
by William Nolle <wa8inz@concentric.net>

Date: Thu, 07 Nov 1996 18:10:13 EST
From: bbliss@juno.com (William B. Bliss)
To: agibbons@gatepoly.co.ck
Cc: aprssig@tapr.org
Subject: APRS Pacific Station
Message-ID: <19961107.142754.2303.0.bbliss@juno.com>

Hi Arnold/ZK1DB

Copied yours off aprssig 11/1/96..

Am a west coast APRS HF gateway station on air daily, located 2 blocks from Pacific Ocean 3727.39N/12226.29W Half Moon Bay, Ca. just south of San Francisco. Run only 100w Knwd TS440at, with Kam Plus+, into an Inverted V, cut to 30M about 25' high at center. If the solar sun and propagation allow you might hear me occasionally up on APRS. Usually from 1500Z thru 0400Z (7AM to 9PM PST). I could get on air about 12-1300Z (early AM) if you think it would help.

We had some Hawaii stations up on APRS (0200-0300Z) WH6YC/DAVE but he is in Washington state now, and don't know if any other Hawaii's that are on now.

I sent an APRS Disk to Jim/KE6RK S/V Heart of Gold, back in Aug/95 and some packet messages about APRS. They were in Naiviivi Bay, Qamea, Fiji at the time. Never did get an acknowledgment of receiving the disk, nor any more packet info msgs from them via Pactor station W7DCR. They mentioned your amtor MBO and call in one msg. This all last year when the WX FAX broadcasts were going off air. Their back now.

We do have one APRS MAP "PACSOUTH.MAP" within MAPLIST.HI centered posit 19.27S/142.45W, which includes Cook Isl., Societies, Tuamotu, Australes, Marquesas, so look for that map of your area. Map made by Ken/W7KKE and am sure he would make some specific smaller local area maps, if we can get some charts of area you mite want if on his USGS CD-ROM disk. Or we could get some maritime charts.

Send me the Pactor frequencies you operate on, and specific times can try and QSO with you. Also FYI, KG6DV on 14065 has a MBX set up for Maritime Mobiles, and you may be able to QSO with that station, am told has good coverage throughout the Pacific, many MM2's drop their traffic their. Also listen for Bill/KB6LFM (here in SFran area) on 14065 quite often after 1900Z..They are not on APRS however.

Do you have access to the tapr.org to download APRS files, versions and maps. Can help you out and mail you disks if

necessary, send me your mailing address. Any other type of help, let me know.

73's & Enjoy, Bill/WB6LPG@KE6WVQ.#NOCAL.CA.USA., or
bbliss@juno.net or wbliss@coastside.net

NNNN

Date: Thu, 7 Nov 1996 20:53:25 -0500 (EST)

From: Robert Krasowski <kb2pnm@escape.com>

To: aprssig@tapr.org

Subject: GPS-20 HELP !!

Message-ID: <Pine.BSI.3.91.961107203425.5611A-100000@escape.com>

I have just bought GPS-20 from TAPR, and Trimble antenna. After connecting both units together I am getting everything out except my position. I have tried power on for about 3 hours and nothing. My \$GPGGA sentence is giving me only time and space for position but no position yet. I checked my antenna it's taking about 20mA from the GPS but why I am not getting any position? Off course I had a problem with the connector and still this is not solved. Does anybody know what is wrong with my GPS? Where can I buy connector for GPS and Trimble antenna. I will appreciate any advise or suggestion. Thanks, Robert KB2PNM.

J

^c

^g

J ^j ^J q q q q ^Q NO CARRIER

Date: Thu, 7 Nov 1996 20:09:49 -0600
From: Robert Winingham <kc5ejk@onramp.net>
To: aprssig@tapr.org
Subject: Re: GPS-20 HELP !!
Message-ID: <v03007803aea84597cc7b@[199.1.11.155]>

> I have just bought GPS-20 from TAPR, and Trimble antenna. After
>connecting both units together I am getting everything out except my
>position. I have tried power on for about 3 hours and nothing. My \$GPGGA
>sentens is giving me only time and space for position but no position

You may need to power on and off a few times.
SEE several old postings about this.

1. what power supply are you using ?
2. Test with a version of APRS or the sigplot basic program if
you are a dossie (I am a MACcie :-) I am a WINnie also
but not because of a computer platform.
3. You have got to do #2 so you can tell us the sig level you see.
4. If you watch the APRS sky map "all will be make clear".

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

Date: Thu, 07 Nov 1996 22:20:37 -0500
From: Doug Bade <baded@nacs.net>
To: aprssig@tapr.org
Subject: Re: TAWG FALL APRS CONFERENCE 1996 SUMMARY
Message-ID: <3.0.32.19961107221951.006a282c@nacs.net>

I am leaving in am for AMSAT conference, so I cannot answer all the email's

I have received directly.. I will when I get back.

I have 25 GE CENTURY II xtal controlled 30 w 144-174 capable radio's. they

are one piece 12v dc. radio's. I can provide as is on 158 mhz, as-is with xtals

and/or tuned on freq. 10-15 working days for xtals. I am a tech, but they are mine personally. I will sell at 75.00, 100.00 and 125.00 in the above conditions. 1200 baud, and seem to even be able to do 9600 with tweaking. They are not for plug and play, off the shelf type's.. they are commercial with commercial narrowband specs.

good imunity to IMD etc. but were not delivered for ham packet radio. Connectors

need to be crimped, molex type inline connectors. Docs available, manuals may be copied for those who need . They are not cuurent, and I do not beleive factory info is still avail. Very serviceable by local ge shops, they were simple radio's to use,and maintain. I may be able to provide radio to tnc cables for addt'l charge for those who need.

PLEASE private email if you need further info, Sorry for using the bandwidth. These are a personal project of mine for APRS, and packet, I hope they will be helpful at this price..

As for My Stand Alone Tracker Interface, more details when I get back next

week. basically it is a stamp II project that intercepts gps data to tnc and modifies beacon timing in 5 steps from 30 sec's to 20 mins based on speed 0-100 mph. It has tactical callsign, APRS symbology support, set able unproto, and Legal ID call sign/free form id.. Parts available for advanced builders now, kit in future for others... stamp in raw form prog. 65.00 + shipping., kits will be more.

hope to do my own ax25, and remove need of tnc for radio interface. I have operational prototypes at this time.. Hope to make easy flash type code upgrade

available in future. BTW they are user programmable with above options ...

>TAWG FALL APRS CONFERENCE 1996 SUMMARY

>

>On 26 OCT 96, the Tri-State APRS Working Group (TAWG) sponsored the Fall APRS

>Conference. Approximately 25 people attended.

>

>Doug, KB8GVQ, explained a project he has been working on over the past few
>months. Called the Standalone Tracker Interface (STI), Doug's device may
>interest those of you that go APRS/GPS mobile. Among many of the bells and
>whistles, the STI has a speed controlled beacon. Doug observed a problem
>with all the packets flying around from parked vehicles sending out too
many

>packets. Doug's device controls the beacons with information from your
GPS.

> The STI is set up via a computer port. The STI works with any TNC. Doug
>also has some 30 watt radios on 145.79 MHz for sale. These radios have
been

>taken out of commercial service and put on 145.79 MHz for APRS use. Doug
can

>be reached at baded@nacs.net.

>

>Respectfully submitted,

>Sid

>AH7E

>For more information about the TAWG Fall APRS Conference or about TAWG,

>please send e-mail to:

>AH7E@aol.com

Doug Bade VP, Operations
Cleveland Communications Inc.

baded@nacs.net

216-398-6500 daytime, 216-741-4329 Fax

Packet at KB8GVQ @ KB8GVQ.#NEOH.OH.USA.NOAM

Date: Thu, 7 Nov 1996 23:38:33 -0500 (EST)

From: Jim Conrad <jjc@infi.net>

To: aprssig@tapr.org, aprssig@tapr.org

Subject: Re: Army/Navy football tracking

Date: Thu, 7 Nov 1996 22:56:19 -0800
From: ke6nyt@fishnet.net (Dan Dicke)

To: aprssig@tapr.org
Subject: registration
Message-ID: <199611080656.WAA05178@big.fishnet.net>

A couple of weeks ago, someone asked if he could register on the net with a credit card and I never saw an answer. I am the packet Coordinator for Ventura County Ca. ARES/RACES and I am trying to get started in APRS so that we can use it for our events. I want to register the software and for the GPS side also. I have 77d or whatever, so I don't need the files. I am going to Vandenburg Air Force base 16 and 17 November for a search and rescue symposium and we are going to discuss and use APRS for the drills that we will do on Sunday.

Thanks for your time.

73

Dan Dicke
KE6NYT@FISHNET.NET
(805) 983-1401

PS. When I run APRS, I see stuff in San Diego and a WIDE in Pasadena, but I keep getting packet not acknowledged or seen or what ever the error is. Any IDEAS?????

Date: Fri, 08 Nov 1996 09:32:29 GMT
From: Bob Sayers <EPU@wmfs.telme.com>
To: aprssig@tapr.org
Subject: Picopacket
Message-ID: <225187@tmrelay.prod.phonelink.com>

Even this length of time after it's introduction, I'm still having great difficulty (read "impossibility") in obtaining a PicoPacket in the UK to the specification which I want (dual port, with battery pack). I'm particularly keen to use a Pico since it needs to fit into the space in a portable APRS / Ultimeter / GPS45 / TNC / radio unit which was formerly occupied by a Handipacket - any other

TNC is going to need a fairly major redesign, and may not allow space for all the items.

Is there anyone on the SIG who might have a Pico to this spec which they might want to sell, or even anyone who might be visiting the UK in the next couple of months who might be interested in bringing one over - think how you'd be helping spread the APRS message in the UK and Europe!

I'd also be very interested to hear any comments from anyone using this spec of Pico, particularly anyone who is also using it with external modem for 9600.

Replies to epu@wmfs.telme.com please, not via the SIG.

Thanks!

Bob, G8IYK

Date: Fri, 8 Nov 1996 07:29:14 PST
From: wa4mej@juno.com (john w dent)
To: aprssig@tapr.org
Subject: Re: John Dent Haynes
Message-ID: <19961108.072935.11631.0.wa4mej@juno.com>

hi ron
i did not know what the check was for and the name was not correct .. hi
hi..
i do thank you for the effort .
i do or have sent out a lot of disk's (APRS) .. so it does help ..

the correct name and add. is

JOHN W. DENT
RR 4 BOX 7331
HILLIARD, FL 32046-9806

THE OLD WAS RT 1 BOX 169-F
HILLIARD, FL 32046

the post office changed all of the address just getting too many people

out here in the woode hi hi.

73

john/wa4mej

Date: Fri, 8 Nov 1996 07:34:08 -0500 (EST)

From: Leroy.Lawhorn@275-17.usbbs.com

Message-ID: <199611081234.HAA22319@bsd6.usbbs.com>

>From 275-17!leroy.lawhorn 08 Nov 96 07:04:16 -0500 remote from usbbs

Received: by usbbs.com (0.99.960714)

id AA01094; 08 Nov 96 07:04:16 -0500

From: Leroy.Lawhorn@275-17.usbbs.com (Leroy Lawhorn)

Date: 07 Nov 96 23:10:00 -0500

Subject: NEW FILES

Message-ID: <984_9611080704@usbbs.com>

Organization: WoodyWare Software, Inc.

To: aprssig@tapr.org

I have APRS77D.ZIP and WAPRS112.ZIP on my bbs. It is W4VIW's BBS located in Greenville, SC @ 864-299-6185

Thanks for reading this post.

73 LeRoy SySop & UF0logist

--- WILDMAIL!/WC v4.12

Origin: W4VIW's BBS 864-299-6185 Greenville, SC USA (73:1320/1.0)

--

|Internet: Leroy.Lawhorn@275-17.usbbs.com

|

| E-Mail Services - www.usbbs.com

Date: Fri, 8 Nov 1996 07:53:43 -0800

From: ke6nyt@fishnet.net (Dan Dicke)

To: aprssig@tapr.org

Subject: local 32 mile radius map

Message-ID: <199611081553.HAA13668@big.fishnet.net>

Bob,

On the registration form, there is a Local 32 mile radius map similar to the quality of a state highway map. I take that as it will show the highways through the area and not all the streets/roads? We are trying to get Ventura County, Ca up and running in APRS. I am the ARES/RACES packet coordinator for the county and I am trying to get things rolling. We have a lot of mountains and hiking areas in the county, and I wanted to know how detailed the map was, to we=whether or not we should get one for the laptop in our emergency communications trailer or not.

I mailed my reg and GPS reg today. I hope that I can get my validation number soon. We are having a search and rescue symposium on the 16 and 17 of Nov at Vandenburg Air Force base that was a lot of fun last year. We are going to have a class/presentation on APRS on Saturday, and then try to use it on Sunday during the field exercise. Any input is much appreciated.

73

Dan Dicke

KE6NYT

Date: Fri, 8 Nov 1996 10:41:39 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: registration
Message-ID: <Pine.GS0.3.95.961108104014.11698K-100000@arctic>

On Thu, 7 Nov 1996, Dan Dicke wrote:

> A couple of weeks ago, someone asked if he could register on the net with
> a
> credit card and I never saw an answer.

APRSdos REPLY/COMMENT: Nope, just send a check to the address shown on the title page or F1-V screen for APRSdos, or follow instructions as needed in Win and MacAPRS docs..

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Fri, 8 Nov 1996 10:53:32 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: local 32 mile radius map
Message-ID: <Pine.GS0.3.95.961108105038.11698M-100000@arctic>

On Fri, 8 Nov 1996, Dan Dicke wrote:

> On the registration form, there is a Local 32 mile radius map similar to
> the quality of a state highway map. I take that as it will show the
> highways through the area and not all the streets/roads? We are trying to
> get Ventura County, Ca up and running in APRS. I am the ARES/RACES packet

APRSdos REPLY/COMMENT: I make those maps from the 2,000,000 scale CD ROM
and most current APRS distributions already have maps to that scale. So
you wouldnt gain anything. Contact your Calif APRS map coordinator to see
if better maps exist for your area. He is W7KKE in Foster City, CA.

Reply mail addr: wb4apr@amsat.org
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Fri, 8 Nov 1996 11:08:53 -0500
From: "Paul Gilmore" <pgilmore@beachnet.org>
To: <aprssig@tapr.org>
Subject: Re: Army/Navy football tracking
Message-ID: <m0vLtVe-0000B7C@beachnet.org>

Hi Bob:

I am able to tune the 250-260 MHz range. Is being in Toronto any help to
you.

Probably to far away from your area, anyway let me know....

Yours Paul/VA3PRG

Paul Gilmore 416-447-7964(voice) 416-447-8868(fax)
AX25 VA3PRGaVA3BBS.#SCON.ON.CA.NA
EMAIL pgilmore@beachnet.org

Date: Fri, 08 Nov 1996 16:34:30 GMT
From: Bob Sayers <EPU@wmfs.telme.com>
To: aprssig@tapr.org, aprssig@tapr.org
Subject: Re: Army/Navy football tracking
Message-ID: <225623@tmrelay.prod.phonelink.com>

>At 03:37 PM 11/7/96 -0600, Bob Bruninga wrote:
>>If you have access to an FM receiver or downconverter that will permit you
>>to tune a weak signal in the 250 to 260 MHz range please let me know.
>>With it, you may be able to track our two GPS chase vehicles on the
>>evening of 6 December during the annual running of the Army Navy game ball
>>between Annapolis and Philadelphia (128) miles. You dont have to be on
>>the East Coast to participate.
>
>Bob,
>
>What freqs are you going to be using and what bird ?
>

Presumably the footprint only covers North America?

Bob, G8IYK

Date: Fri, 08 Nov 1996 13:31:04 -0700
From: David McCarthy <davidmc@goodnet.com>
To: aprssig@tapr.org
Subject: When I press "S"
Message-ID: <32839884.6565@goodnet.com>

I am running DosAPRS. Most of the time it is on a 286 portable at home. When I go portable, I use a Pentium Win95 laptop. For some reason, it runs different in Win95. When I press "S" to send a message

or F2 to reply, a dialog/help box keeps appearing and replaces the map. The info was helpful the first time, but I don't need it everytime. I like the way it works in Dos with just the line at the bottom of the map. Anybody got an idea why this is happening?

--

David McCarthy - KC7AYX - Motorola Amateur Radio Club of AZ
email: davidmc@goodnet.com packet: kc7ayx@kc7y.az.usa.noam
Visit the family homepage: <http://www.goodnet.com/~davidmc/>
"As for me and my house, we will serve the Lord." Jos 24:15

Date: Fri, 08 Nov 1996 13:27:16 -0800
From: Barbara Fehner <fehner@acts.com>
To: aprssig@tqpr.org
Subject: Re: registration
Message-ID: <2.2.32.19961108212716.006ebab0@mail.acts.com>

Dan, what path are you using and which wide is stronger at your QTH; the San Diego wide KI6MP-10 or the Pasadena wide NW6H-10?

Barbara KK6IB
E-Mail: fehner@acts.com Oceanside, Ca.

At 11:51 PM 11/7/96 -0600, you wrote:

>A couple of weeks ago, someone asked if he could register on the net with a
>credit card and I never saw an answer. I am the packet Coordinator for
>Ventura County Ca. ARES/RACES and I am trying to get started in APRS so
that

>we can use it for our events. I want to register the software and for the
>GPS side also. I have 77d or whatever, so I don't need the files. I am
>going to Vandenburg Air Force base 16 and 17 November for a search and
>rescue symposium and we are going to discuss and use APRS for the drills
>that we will do on Sunday.

>

> Thanks for your time.

>

>73

>Dan Dicke

>KE6NYT@FISHNET.NET

>(805) 983-1401

>
>PS. When I run APRS, I see stuff in San Diego and a WIDE in Pasadena, but
I
>keep getting packet not acknowledged or seen or what ever the error is.
>Any IDEAS?????
>
>
>

Date: Fri, 08 Nov 1996 16:20:15 -0800
From: William Nolle <wa8inz@concentric.net>
To: aprssig@tapr.org
Subject: TNC's
Message-ID: <3283CE3F.1952@concentric.net>

Since packet as a whole is dead in Madison county of North Alabama, and
i'm no longer running APRS I have several TNC's for sale or trade, the
list is as follows:

- (2) KPC-3's with GPS, I believe the latest rom's
- (1) PacComm Handi Packet, Also the latest rom's i believe, battery in
good shape.
- (1) PacComm Tiny-2 MK-2 Also with the latest rom i believe.
- (1) DRSI DPK-2 Does not have the GPS function.

The Handi Packet can come with a ready made cable for a Alinco DR-1200.
The KPC3 can come with a ready made cable for a Alinco DR-130.

If interested, make an offer. Please e-mail private and not to the sig.

--

\\\\\\
(0 0)
--o0-()-0o--
wa8inz@amsat.org
wa8inz@cris.com

End of APRSSIG Digest 760

From aprssig@tapr.org Sat Nov 09 16:18:13 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP
id AA1585 ; Sat, 09 Nov 96 15:53:21 UTC
Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA15301; Sat, 9 Nov 1996 17:46:40 -0600
(CST)
Date: Sat, 9 Nov 1996 17:46:40 -0600 (CST)
Message-Id: <199611092346.RAA15301@tapr.org>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6247] APRSSIG digest 761
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Status: R

APRSSIG Digest 761

Topics covered in this issue include:

- 1) RE: local 32 mile radius map
by "Carolyn Cavanagh" <cjcavanagh@msn.com>
- 2) Garmin 31
by Clarke_Tom%PAX6@mr.nawcad.navy.mil
- 3) Re: local 32 mile radius map
by Arte Booten <N2ZRC@gnn.com>
- 4) Re: TNC's
by Arte Booten <N2ZRC@gnn.com>
- 5) Re: APRSSIG digest 760
by "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
- 6) Re: GPS-20 HELP !!
by Robert Krasowski <kb2pnm@escape.com>
- 7) Gnarly Nolle
by "Peter Markham" <pmarkham@up.net>
- 8) Vacation Auto-Reply for APRS
by rwf@mindspring.com

- 9) PicoPacket w/Trimble S-vee Six, \$GPRMC & \$GPVTG
by Arte Booten <N2ZRC@gnn.com>
- 10) Re: Vacation Auto-Reply for APRS
by Bob Bruninga <bruninga@nadn.navy.mil>
- 11) Re: Vacation Auto-Reply for APRS
by "John W.(Bill) Hays - w0omv" <billh@netins.net>
- 12) Re: Army/Navy football tracking
by ROBERT MARLEY <MARLEY@LU.LINCOLN.EDU>
- 13) Apology
by Arte Booten <N2ZRC@gnn.com>
- 14) Re: Vacation Auto-Reply for APRS
by Bob Bruninga <bruninga@nadn.navy.mil>
- 15) Re: Vacation Auto-Reply for APRS
by rwf@mindspring.com
- 16) Re: PicoPacket w/Trimble S-vee Six, \$GPRMC &
by rwf@mindspring.com
- 17) Re: Vacation Auto-Reply for APRS
by Paul Christenson <paul@tech.cyclades.com>

Date: Fri, 8 Nov 96 23:45:08 UT
From: "Carolyn Cavanagh" <cjcavanagh@msn.com>
To: aprssig@tapr.org
Subject: RE: local 32 mile radius map
Message-ID: <UPMAIL02.199611082345550354@msn.com>

For Dave Dike:

Suggest you contact Jon Kaplan, K06XS in Malibu. He was beta tester of my mk100k mapping program than makes street level maps. He was making them in support of local ARES efforts e-mail was JKaplan6@aol.com

73 Jack, KB4XF
cjcavanagh@msn.com

Date: Fri, 08 Nov 1996 14:56:00 -0400 (EDT)
From: Clarke_Tom%PAX6@mr.nawcad.navy.mil
To: APRSSIG@tapr.org

Subject: Garmin 31

Message-ID: <PAX6/A0004875/P04/PAXMB1*@MHS>

Does anyone know if the 31 has that pesky 99 knot inhibit function? I would like to occasionally use one in an aircraft that routinely exceeds 99 knots while still on the takeoff roll!

Tom Clarke W40KW (fclarke@aerols.com) or clarke_tom%pax6@mr.nawcad.navy.mil

Date: Fri, 08 Nov 1996 19:56:23

From: Arte Booten <N2ZRC@gnn.com>

To: aprssig@tapr.org

Subject: Re: local 32 mile radius map

Message-ID: <199611090057.TAA29033@mail-e2b.gnn.com>

Hi All,

On Fri, 8 Nov 1996 Bob Bruninga replied to Dan Dicke's posting:

>>On the registration form, there is a Local 32 mile radius map
>>similar to the quality of a state highway map. I take that
>>as it will show the highways through the area and not all the
>>streets/roads?
> We are trying to
>
>APRSdos REPLY/COMMENT: I make those maps from the 2,000,000
>scale CD ROM ... Contact your Calif APRS map coordinator to
>see if better maps exist ...

And if you look at the TAPR FTP upload area you'll find a series of maps called (I think) calif06.zip and nocal.zip. All there for the uploading. 73

Arte Booten <N2ZRC@gnn.com>

(Packet Radio: N2ZRCaKB2VLX.#BRONX.NY.USA.NA)

[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

... Sensors say there is nothing at those coordinates ...

Date: Fri, 08 Nov 1996 19:57:12
From: Arte Booten <N2ZRC@gnn.com>
To: aprssig@tapr.org
Subject: Re: TNC's
Message-ID: <199611090057.TAA07911@mail-e2b.gnn.com>

Hi All,

On Fri, 8 Nov 1996 William Nolle wrote:

>Since packet as a whole is dead in Madison county of North
>Alabama, and i'm no longer running APRS ...

Aw, c'mon Bill. We all know you've got thicker skin than that. Just because somebody (I'm sure) temporarily locked you out is no reason to throw in the towel and give up! Be bigger than that and stick around. Your input here and as a knowledgeable APRS operator in your local area has been informative, even though it's occasionally somewhat less than totally courteous at all times ;-{)

There are plenty of people that would be glad to see you pack your bags and crawl into your little shell but I'm thinking of all the hundreds of maps you made for people, all those who wanted to subscribe (or unsubscribe) to the SIG whose hand you held and led in the right direction. And what about reams of valuable advice and information passed right here on this SIG, not to mention the many people who've found APRS help via your web and mentors' pages? You may not be universally appreciated but I, at least, count your participation here and on the air as a valuable asset to APRS ... one which we all would be worse off without, despite the ribbing, flamewars and arguments. Without conflict we do not grow as humans and this is the nature of the human condition.

So go and sell your TNC's. Resign from the SIG. Remove your callsign from the digital domains of the airwaves. While you're at it, donate your H-T's to a local ARES/RACES group. Pick up a few bucks for the HF rig and, just for good measure,

take the good VHF/UHF multi-mode, kilobuck rig and take an axe to it. Yeah. That'll make you feel REAL good!

Fer cripes sake, stop wallowing in what is obviously self-pity and rejoin us here. You have value to most of us and your self-imposed exile will do nobody any good, especially YOU!

And to all those who'd say to Bill "Good bye, and good riddance," try to look between the flames to see some of the gems Bill has bestowed on us in the past. His Web page has given us many new operators. His Mentors' page have given THEM someplace to get a good start with APRS.

I remember an old saying: "If you have nothing nice to say, don't say anything!" This goes for Bill's naysayers as well as for Bill! This is supposed to be a forum for the advancement of APRS knowledge, theory and ideas, not someplace for some of us to throw rotten tomatoes at each other. If you insist on engaging in flame wars then, by all means, WRITE the flame. Then re-read it the next day. When doing so, put yourself in the other guy's shoes. Some other guy with real thin skin. See how YOU'D feel if you were the recipient of that message. If you still feel the same way, send it via PRIVATE e-mail. Don't air your dirty laundry in public. None of us want to waste our time reading such trash, as that's not why we're here.

We're on the verge of losing a valuable asset to the SIG based on a few individuals' pettiness. Shall we sink to the level of the usenets? Or shall we be grownups about it?

Okay, I've got my asbestos breeches on. Ready for any takers. I'm usually a little more genteel than this here on the SIG, but feel strongly about this. I'm the first to agree that Bill sometimes grates on the nerves, but he serves us as best he can. How's about it? 73

Arte Booten <N2ZRC@gnn.com>

---DON'T BEGIN WINMAIL.DAT!---

Date: Fri, 8 Nov 1996 19:55:53 -0600
From: "Greg Jones, WD5IVD" <wd5ivd@tapr.org>
To: aprssig@tapr.org
Subject: Re: APRSSIG digest 760
Message-ID: <v03007801aea990e7fff9a[208.134.134.42]>

>Date: Thu, 7 Nov 1996 20:09:49 -0600
>From: Robert Winingham <kc5ejk@onramp.net>
>To: aprssig@tapr.org
>Subject: Re: GPS-20 HELP !!
>Message-ID: <v03007803aea84597cc7ba[199.1.11.155]>

>
>> I have just bought GPS-20 from TAPR, and Trimble antenna. After
>>connecting both units together I am getting everything out except my
>>position. I have tried power on for about 3 hours and nothing. My \$GPGGGA
>>sentens is giving me only time and space for position but no position
>
>You may need to power on and off a few times.
>SEE several old postings about this.
>
>1. what power supply are you using ?
>

To followup on this -- we just generated a new page in the TAPR GPS area
that discusses building three different power supplies for the GPS-20.

We are discussing doing a simple board now that takes either the 7805 or
the powertrends module to have available for those that want a simple to
build solution. If you haven't looked at it, the Power Trends allows you to
run off batteries. Very nice solution.

The web page is:
<http://www.tapr.org/gps/pwrsup.html>

Cheers - Greg, WD5IVD

Greg Jones, WD5IVD
Austin, Texas
wd5ivd@tapr.org
<http://www.tapr.org/~wd5ivd>

Date: Fri, 8 Nov 1996 21:54:58 -0500 (EST)
From: Robert Krasowski <kb2pnm@escape.com>
To: aprssig@tapr.org
Subject: Re: GPS-20 HELP !!
Message-ID: <Pine.BSI.3.91.961108214947.2547A-100000@escape.com>

Thanks Robert for your suggestions, I will try to do few on-off tricks. I am using ICI 7805 that is giving me 5V from 5-30V (I am planing to use my GPS as a Tracker from the car).

Thanks again and I will let you know if those tricks work in my GPS. 73
Robert

On Thu, 7 Nov 1996, Robert Winingham wrote:

> > I have just bought GPS-20 from TAPR, and Trimble antenna. After
> >connecting both units together I am getting everything out exept my
> >position. I have tried power on for about 3 hours and nothing. My \$GPGGA
> >sents is giving me only time and space for position but no position
>
> You may need to power on and off a few times.
> SEE several old postings about this.
>
> 1. what power supply are you using ?
>
> 2. Test with a version of APRS or the sigplot basic program if
> you are a dossie (I am a MACcie :-) I am a WINnie also
> but not because of a computer platform.
>
> 3. You have got to do #2 so you can tell us the sig level you see.
>
> 4. If you watch the APRS sky map "all will be make clear".
>
>
> 73
>
> Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---
>
>

>

Date: Fri, 8 Nov 1996 23:33:23 -0400
From: "Peter Markham" <pmarkham@up.net>
To: aprssig@tapr.org
Subject: Gnarly Nolle
Message-ID: <9611090431.AA18562@btc1>

William,

As one of the first to give you serious gas, your presence will be missed by me. You have contributed much that is constructive, to APRS and this sig, much more than many others with better bedside manners ;-)

I wish you well.

Pete/wa4hei

The meek will not inherit the Earth.

Date: Sat, 09 Nov 1996 07:23:20 -0500
From: rwf@mindspring.com
To: aprssig@tapr.org
Subject: Vacation Auto-Reply for APRS
Message-ID: <3.0.32.19961109071454.006e6de4@mindspring.com>

Bob-

I just returned from another road trip. (met some nice Houston-Clear Lake area APRSers too). I leave the computer on while I am gone, because I send U-II info into the local APRS network.

I had a screen full of messages from other users who thought I had been home. No telling how many people had gotten REJ messages as well. One user was apprehensive because he thought I was ignoring him as well.

What about a phrase we can enter that is automatically sent back in response to a MSG (not a BLN). It would be like the Vacation Message that Internet providers let you set. If I received a message, it could log the msg in the log and then send the prepared phrase. I would have used "Will not be at terminal until 11/6. Pls try then" or something like that.

This way folks know you are not ignoring them, you just can't see them right now.

Thanks

Ralph Fowler
Atlanta
rwf@mindspring.com

Date: Sat, 09 Nov 1996 08:37:06
From: Arte Booten <N2ZRC@gnn.com>
To: aprssig@tapr.org
Subject: PicoPacket w/Trimble S-vee Six, \$GPRMC & \$GPVTG
Message-ID: <199611091337.IAA21855@mail-e2b.gnn.com>

Hi All,

PaccComm has done it again. As many of you know, they are one of the few manufacturers that are responsive to our needs & requests (quirky as they sometimes are) than some of the larger companies out there. We wanted small TNC's, they gave us one. We wanted one with a second serial port for our GPS, we got it. We asked for one with a built-in GPS unit and they responded. Their products seem excellently made and do well that which they were designed to do.

I own a PicoPacket with the built-in Trimble S-vee Six GPS receiver, which was only programmed to give APRS \$GPGGA strings (which makes mobile use a bit less handy.) I had to send it in for a minor part replacement (the voltage regulator) and was in touch with Gwynn Reedy, who monitors this SIG. She said they were about to start a retro-programming of existing units to let them output \$GPRMC and \$GPVTG strings, this giving us the

course and speed information. This is being done at a break-even cost of (she estimated ... don't hold her to this!) about ten smackers plus postage.

Well, I got it back the other day and am pleased to report to you that there's this little box below the cursor box in the upper left hand corner of the APRSDos screen that, even as I write this, am seeing that my QTH is supposedly moving 4MPH on a course of 206 degrees, which I attribute to SA.

Now if only somebody in the New York City/Tri-state area would start giving us DGPS strings like WB3V in the DC area...

Arte Booten <N2ZRC@gnn.com>
(Packet Radio: N2ZRCaKB2VLX.#BRONX.NY.USA.NA)
[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

... Sensors say there is nothing at those coordinates ...

Date: Sat, 9 Nov 1996 09:34:59 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <Pine.GS0.3.95.961109093450.4037E-100000@arctic>

Good idea!

Reply mail addr: wb4apr@amsat.org
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Sat, 09 Nov 1996 15:49:01 +0000
From: "John W.(Bill) Hays - w0omv" <billh@netins.net>
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <3284A7ED.57DA@netins.net>

That sounds like a good idea at first, but I am a little uneasy about advertising the fact that no one is home for a few days while I am on vacation/out of town on business for several days, etc.

+++++

rwf@mindspring.com wrote:

>

> Bob-

>

> I just returned from another road trip. (met some nice Houston-Clear Lake
> area APRSers too). I leave the computer on while I am gone, because I send
> U-II info into the local APRS network.

>

> I had a screen full of messages from other users who thought I had been
> home. No telling how many people had gotten REJ messages as well. One
user

> was apprehensive because he thought I was ignoring him as well.

>

> What about a phrase we can enter that is automatically sent back in
> response to a MSG (not a BLN). It would be like the Vacation Message that
> Internet providers let you set. If I received a message, it could log the
> msg in the log and then send the prepared phrase. I would have used
"Will

> not be at terminal until 11/6. Pls try then" or something like that.

>

> This way folks know you are not ignoring them, you just can't see them
> right now.

>

> Thanks

>

> Ralph Fowler

> Atlanta

> rwf@mindspring.com

--

Bill Hays - w00mv email:billh@netins.net

+++++

"'1935 will go down in history. For the first time, a civilized nation
has

full gun registration. Our streets will be safer, our police more
efficient,

and the world will follow our lead into the future.' - Adolf Hitler"

Date: Sat, 09 Nov 1996 12:40:21 -0500
From: ROBERT MARLEY <MARLEY@LU.LINCOLN.EDU>
To: aprssig@tapr.org
Subject: Re: Army/Navv football tracking
Message-ID: <3284C205.4BA4@LU.LINCOLN.EDU>

HI BOB, I HAVE A SCANNER THAT WILL TUNE THAT AREA. DO YOU WANT THIS
INFO FROM THE TRACKERS LINKED TO APRS ? MY QTH IS ABOUT CENTRALLY
LOCATED AND MIGHT BE ABLE TO FILL IN ANY GAPS. KEEP ME INFORMED.

73 de N3OBQ ROBERT MARLEY

Date: Sat, 09 Nov 1996 16:11:27
From: Arte Booten <N2ZRC@gnn.com>
To: aprssig@tapr.org
Subject: Apology
Message-ID: <199611092112.QAA24417@mail-e2b.gnn.com>

On Sat, 9 Nov 1996 David S. Dobbins/WH6YC pointed out that:

>Gwyn's a guy ... Standby for spamming.

Honest, folks, if I'd have known this I wouldn't have
stuck my foot in my mouth! Sorry Gwyn & Linda, it was an hon-
est mistake! 73

Arte Booten <N2ZRC@gnn.com>
(Packet Radio: N2ZRCaKB2VLX.#BRONX.NY.USA.NA)
[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

... Sensors say there is nothing at those coordinates ...

Date: Sat, 9 Nov 1996 16:29:06 -0500 (EST)

From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <Pine.GS0.3.95.961109162746.9876B-100000@arctic>

On Sat, 9 Nov 1996, John W.(Bill) Hays - w0omv wrote:

> That sounds like a good idea at first, but I am a little uneasy about
> advertising the fact that no one is home for a few days while I am
> on vacation/out of town on business for several days, etc.

APRSdos REPLY/COMMENT: Then dont use it. Its done. If your 1st message
is to REPLY, then it will go back to any incoming messages. This will be
in 77e...

Reply mail addr: wb4apr@amsat.org
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Sat, 09 Nov 1996 15:47:21 -0500
From: rwf@mindspring.com
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <3.0.32.19961109153642.006a4390@mindspring.com>

I thought of that, too, but I'd rather do that than broadcast it in my
beacon. It wouldn't be what everyone needs, but I could sure use it!

Ralph

At 09:48 AM 11/9/96 -0600, you wrote:
>That sounds like a good idea at first, but I am a little uneasy about
>advertising the fact that no one is home for a few days while I am
>on vacation/out of town on business for several days, etc.
>
>+++++
>rwf@mindspring.com wrote:
>>
>> Bob-

>>
>> I just returned from another road trip. (met some nice Houston-Clear Lake
>> area APRSers too). I leave the computer on while I am gone, because I
send
>> U-II info into the local APRS network.
>>
>> I had a screen full of messages from other users who thought I had been
>> home. No telling how many people had gotten REJ messages as well. One
user
>> was apprehensive because he thought I was ignoring him as well.
>>
>> What about a phrase we can enter that is automatically sent back in
>> response to a MSG (not a BLN). It would be like the Vacation Message
that
>> Internet providers let you set. If I received a message, it could log
the
>> msg in the log and then send the prepared phrase. I would have used
"Will
>> not be at terminal until 11/6. Pls try then" or something like that.
>>
>> This way folks know you are not ignoring them, you just can't see them
>> right now.
>>
>> Thanks
>>
>> Ralph Fowler
>> Atlanta
>> rwf@mindspring.com
>
>--
>Bill Hays - w0omv email:billh@netins.net
>+++++
>"'1935 will go down in history. For the first time, a civilized nation
>has
>full gun registration. Our streets will be safer, our police more
>efficient,
>and the world will follow our lead into the future.' - Adolf Hitler"
>
>

Date: Sat, 09 Nov 1996 15:47:23 -0500
From: rwf@mindspring.com
To: aprssig@tapr.org
Subject: Re: PicoPacket w/Trimble S-vee Six, \$GPRMC &
Message-ID: <3.0.32.19961109154113.0068dd8c@mindspring.com>

At 07:43 AM 11/9/96 -0600, Arte wrote:

>Hi All,

>

> PaccComm has done it again. As many of you know, they are
>one of the few manufacturers that are responsive to our needs &
>requests (quirky as they sometimes are) than some of the larger
>companies out there.

Amen-

I just got my response back for the suggestion to Kantronics about having
the posit rate of a tracker slow down if it was not moving. They said (and
I paraphrase)

The TNC doesn't process the string
It just stores and then beacons it
It will not do what we want.
and they did not say they were interested in changing it.

I guess maybe a TNC Co. who specializes in Vehicle Tracking would have a
more positive answer ;-)

Kudos to Gwyn, Linda, and the rest for putting up with us!

Ralph

Date: Sat, 9 Nov 1996 15:05:06 -0800 (PST)
From: Paul Christenson <paul@tech.cyclades.com>
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <Pine.LNX.3.95.961109150111.24730C-100000@tech.cyclades.com>

On Sat, 9 Nov 1996, John W.(Bill) Hays - w0omv wrote:

> That sounds like a good idea at first, but I am a little uneasy about
> advertising the fact that no one is home for a few days while I am
> on vacation/out of town on business for several days, etc.

Agreed. However, if the text is supplied by the user, you could simply
make it report "I am away from the terminal" and let it go at that.

Also, an op that's away does not mean the house is empty..

End of APRSSIG Digest 761

From aprssig@tapr.org Sun Nov 10 20:48:33 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP
id AA1587 ; Sun, 10 Nov 96 20:36:20 UTC
Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id RAA10535; Sun, 10 Nov 1996 17:49:47 -0600
(CST)
Date: Sun, 10 Nov 1996 17:49:47 -0600 (CST)
Message-Id: <199611102349.RAA10535@tapr.org>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6257] APRSSIG digest 762
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Status: R

APRSSIG Digest 762

Topics covered in this issue include:

- 1) Disappearing Objects??
by "Jamie R. Dean" <ke4htm@bluenet.net>
- 2) Shirts
by reeves <reeves@christenson.com>

- 3) auto xmit
by fogaafoothill.net (DAN FOGARD)
- 4) Re: Vacation Auto-Reply for APRS
by Rusty Haddock <rusty@fe2o3.lonestar.org>
- 5) Re: auto xmit
by Miami Network <0004818186@mcimail.com>
- 6) Re: Disappearing Objects??
by Bob Bruninga <bruninga@nadn.navy.mil>
- 7) Re: auto xmit
by Bob Bruninga <bruninga@nadn.navy.mil>
- 8) 3-D Maps
by Chris Dapples <ccdapple@wtp.net>
- 9) Summary of (static scrambled the Digi)
by joefoor@digitalexp.com (Foor, Joe)
- 10) aprs order
by "Lew M. Hill" <71613.1462@CompuServe.COM>

Date: Sat, 09 Nov 1996 19:09:58 -0500
From: "Jamie R. Dean" <ke4htm@bluenet.net>
To: aprssig@tapr.org
Subject: Disappearing Objects??
Message-ID: <2.2.32.19961110000958.00672568@bluenet.net>

When I place an object on the map with the I A command it only beacons for a couple hours then "poof" it's gone, WHY??

tnx,
Jamie R. Dean - KE4HTM
<http://www.bluenet.net/ke4htm>

Date: Sat, 09 Nov 1996 19:01:50 -0800
From: reeves <reeves@christenson.com>
To: aprssig@tapr.org
Subject: Shirts
Message-ID: <1.5.4.32.19961110030150.00679504@hevanet.com>

Has anyone seen the APRS shirts? I still have not received the 4 I ordered, do they really exist??

Ron
N7QX0
reeves@christenson.com

Date: Sat, 9 Nov 1996 22:22:00 -0800
From: fogaafoothill.net (DAN FOGARD)
To: aprssig@tapr.org
Subject: auto xmit
Message-ID: <199611100622.WAA14473@ns1.foothill.net>

HAS ANYONE HAD APRS XMIT AFTER SHUTTING DOWN WITH C-X.....MINE HAS
A MIND OF ITS OWN .

DAN W6PRL GRASS VALLEY

Date: Sat, 9 Nov 1996 11:06:22 -0600 (CST)
From: Rusty Haddock <rusty@fe2o3.lonestar.org>
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <199611091706.LAA26667@fe2o3.lonestar.org>

John W. wrote:

>
>That sounds like a good idea at first, but I am a little uneasy about
>advertising the fact that no one is home for a few days while I am
>on vacation/out of town on business for several days, etc.

Well, don't go advertising that fact then. Just like an answering
machine... you simply say that you're unable to answer their message
right now as you're away from the keyboard. No need to say HOW FAR
FROM the keyboard you are, right?

If you really feel compelled to give an excuse say you're "enjoying the
privledges of marriage at the moment. One of us will get back to you

after we're DONE. That may be some time from now..." :-)

-Rusty-

--

----- Rusty Haddock ## KD4WLZ ## rusty@fe2o3.lonestar.org
| \ / o \ o
| (-< 0 o I planted my antenna farm and what popped up was aluminum
| / \ _ V _ / and copper tubing. Strange thing is... I used steel seeds!

Date: Sun, 10 Nov 96 05:32 EST
From: Miami Network <0004818186@mcimail.com>
To: aprssig <aprssig@tapr.org>
Subject: Re: auto xmit
Message-ID: <14961110103241/0004818186NA4EM@MCIMAIL.COM>

Check your RESTORE.TNC file and see if the Beacon Every Command
is reset to a value > 0.

Perhaps what you are seeing is the TNC's keying the radio via
the internal software command set?

73, Seymour, KC4NMY
MiamiNet@mcimail.com

Date: Sun, 10 Nov 1996 09:12:46 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: Disappearing Objects??
Message-ID: <Pine.GS0.3.95.961110091111.18608C-100000@arctic>

On Sat, 9 Nov 1996, Jamie R. Dean wrote:

> When I place an object on the map with the I A command it only beacons for
a
> couple hours then "poof" it's gone, WHY??

APRSdos REPLY/COMMENT: Because in your area, you pick up another 96 stations and they bump you off the bottom of the list! Maybe.

If you put a "TRACK" on an object, then it will NOT bump off the list. I'm not sure if that would work for an object, but you might try...

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Sun, 10 Nov 1996 09:24:52 -0500 (EST)

From: Bob Bruninga <bruninga@nadn.navy.mil>

To: aprssig@tapr.org

Subject: Re: auto xmit

Message-ID: <Pine.GS0.3.95.961110092419.18608I-100000@arctic>

On Sun, 10 Nov 1996, DAN FOGARD wrote:

> HAS ANYONE HAD APRS XMIT AFTER SHUTTING DOWN WITH C-X.....MINE
HAS
> A MIND OF ITS OWN .

APRSdos REPLY/COMMENT: APRSdos will still ACK incoming messages and respond to Queries...

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Sun, 10 Nov 1996 09:11:19 -0700

From: Chris Dapples <ccdapple@wtp.net>

To: aprssig@tapr.org

Subject: 3-D Maps

Message-ID: <9611101611.AA10343@wtpprod1.wtp.net>

Greetings from Montana,

Now that forest fire season is mostly over, I have been thinking about

how APRS might be used to help fire crews during a fire. So this brings up a number of questions.

First, Would it be possible to generate 3-D maps for use by APRS. In mountainous country verticle distance is just as important as horizontal distance. If 3-D maps could be generated and displayed in APRS one could track fire crews and the fire line, as well as weather info., in a very meaningful way.

Second, I did see some discussion of miniturized gps/tnc/HT setups earlier this year, but was too busy to keep track of them. So, I was wondering if a small package could be assembled that could be bundled with an HT that some of the firefighters could carry. This would allow the fire boss to know where his crews were at any time. Similarly he could track his heavy equipment too.

My GPS is an Megellan Meridian XL. It outputs either RMC or GGA NMEA data, but not both at the same time. I notice most folks on the APRSSIG are using the Garmin brand GPS. Would this be a better choice?

My TNC is an AEA PK-12 and seems to function adequately for APRS but I gather Paccomm makes a miniture TNC which might be a better choice.

Comments and suggestions would be greatly appreciated. I would like to get something packaged up before the 1997 fire season starts.

Chris Dapples, KF7KN
ccdapple@wtp.net

Date: Sun, 10 Nov 1996 11:56:16 -0600
From: joefoor@digitalexp.com (Foor, Joe)
To: aprssig@tapr.org, aprs-fl@tapr.org

Subject: Summary of (static scrambled the Digi)

Message-ID: <19961110175615528.AAA75@dial-16.marianna.fl.digitalex.com>

Hi All;

I received quite a few private replies to my letter of Oct 26.

To summarize, two people wrote me about noise problems interfering with the operation of the KPC-3. In both of the situations, the transmitted packet was being corrupted by noise. Also, I received no letters at all, addressing the scrambled serial port protocol.

In my case, the TNC was not able to read most of the received packets, but when it did read one, then the transmitted packet was just fine.

Since the KPC-3 is widely used in the APRS community, the lack of reports leads me to believe my problem was relatively rare, if not unique.

To those who sent me suggestions, I tried to reply privately to all of the letters, but in case I missed any, Thank you.

Regards,
Joe kf4dys

Date: 10 Nov 96 18:21:39 EST

From: "Lew M. Hill" <71613.1462@CompuServe.COM>

To: Bob Bruninga <aprssig@tapr.org>

Subject: aprs order

Message-ID: <961110232138_71613.1462_GHB59-1@CompuServe.COM>

Hi Bob; 11/10/96

Nice package you put together. I'm having fun and some success with the shareware version of APRS. I just ordered the full package and some features. After I mailed the order I spotted the interface option to the DeLorme and other map packages. If the price

is close to the \$34 mentioned in the help text and you are willing to take the risk. Please include it and bill me. If not please forward the information to order it.

Lew M. Hill
N3WTW

End of APRSSIG Digest 762

From aprssig@tapr.org Wed Nov 13 00:29:35 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP
id AA1591 ; Tue, 12 Nov 96 23:48:00 UTC
Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id BAA22713; Wed, 13 Nov 1996 01:39:57 -0600
(CST)
Date: Wed, 13 Nov 1996 01:39:57 -0600 (CST)
Message-Id: <32897929.4F80@anetcom.com>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6341] APRSSIG digest 765
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
MIME-Version: 1.0
X-Mailer: Mozilla 3.0Gold (WinNT; I)
Status: R

APRSSIG Digest 765

Topics covered in this issue include:

- 1) APRS, DPGS, etc.
by Randy Hammock <hammock@wired.jpl.nasa.gov>
- 2) Re: two digi's on one antenna
by Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
- 3) Re: APRS and the NWS message #2
by John M Domblewski <wendysue@global2000.net>
- 4) Re: APRS and the NWS
by Steve Dimse <sdimse@bridge.net>
- 5) file transfer question
by John M Domblewski <wendysue@global2000.net>
- 6) Re: APRS and the NWS message #2
by "Thom Proehl" <tmproehl@nwlinc.com>
- 7) Re: two digi's on one antenna
by Bob Bruninga <bruninga@nadn.navy.mil>
- 8) Re: APRS, DPGS, etc.
by Robert Kirk <kirk@neptune.gsfc.nasa.gov>
- 9) Re: APRS, DPGS, etc.
by Bob Bruninga <bruninga@nadn.navy.mil>
- 10) Re: APRS and the NWS message #2
by Boyd Prestwood <w2hob@mosquito.com>
- 11) Re: file transfer question
by John M Domblewski <wendysue@global2000.net>
- 12) Re: APRS and the NWS
by Tommie Taylor <tomcmugs@n-link.com>
- 13) Southeast Digi's
by kf4xh@juno.com (Andrew C. Middlebrooks)
- 14) Got the Shirts
by reeves <reeves@christenson.com>
- 15) Re: Vacation Auto-Reply for APRS
by David & Roxanne McCarthy <davidmc@goodnet.com>
- 16) Re: APRS and the NWS
by Jim Duncan <ku0g@sprynet.com>
- 17) Re: APRS and the NWS message #2
by "John W.(Bill) Hays - w0omv" <billh@netins.net>
- 18) Cse and Speed
by rbost@itexas.net (Roy Bost)
- 19) Re: Cse and Speed
by Jim Duncan <ku0g@sprynet.com>
- 20) Re: Cse and Speed
by Robert Winingham <kc5ejk@onramp.net>

- 21) Re: Cse and Speed
by rsellers@rockford.com (Roger Sellers)
- 22) The NMEA FAQ
by Steve Boyle <sboyle@netcom.com>

Date: Tue, 12 Nov 1996 15:09:26 -0800
From: Randy Hammock <hammock@wired.jpl.nasa.gov>
To: APRSSIG <aprssig@tapr.org>
Subject: APRS, DPGS, etc.
Message-ID: <328903A6.59E2@wired.jpl.nasa.gov>

I have been thinking of getting the JPL Amateur Radio Club to do something similar to what Tom Clark W3IWI is doing, providing DGPS signals in th Los Angeles area. Our club trustee thinks it is a great idea; however, he has expressed concerns over how this fits in under the Part 97 rules. He feels that it should go somewhere in the beacon band as it is an automatically generated signal, has no control operator and expects no connections. I said that it was a packet signal and could go anywhere packet is allowed.

Any comments?

--

Randy Hammock	KC6HUR		Jet Propulsion Laboratory
mailto:hammock@wired.jpl.nasa.gov			4800 Oak Grove Drive
Voice: +1-818-393-1214			M/S: 264-580
Pager: +1-818-423-2062			PASADENA CA 91109

Date: Tue, 12 Nov 1996 16:41:15 -0600
From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
To: aprssig@tapr.org
Subject: Re: two digi's on one antenna
Message-ID: <v03007819aeae55cc6e32@[138.87.2.109]>

On Tuesday, 12 Nov 1996 15:51 Bill Northup said:
>We took 6 band pass filters and tuned 3 of them to pass 145.030 and tuned the
>other 3 for for 145.79. With this we found that we had more than 100db of

Also, using the UHF/VHF diplexor/splitter (\$60 dollar things) at the transmitter end of a feedline to a non-grounded 2 meter vertical, we use 445.925 APRS and 145.79 APRS on the same 2 meter antenna. I might add... at the second site we tried this, we had a DB products folded dipole 2 meter antenna on the tower. IT DID NOT WORK. Antenna must be the coax vertical, gain type, non-grounded (probably non-gamma matched).

Now, if you get picky and want range comparisons, I can't help you because this is the only Amateur antenna on the tower. I can tell you that with same power on each band. The signal fades out at the same point on a dual band mobile.

Bottom line is "It is better than nothing."

```

////////////////////////////////////
Larry M. Keeran K9ORP   IS Data Processing Equip Tech   k9orp@amsat.org
EC McLean Co-CIPRUS,Inc-PresCIRC-VP QCWA-Life ARRL-APRSM-APRS-TAPR#762
////////////////////////////////////

```

Date: Tue, 12 Nov 1996 17:55:17 -0500
From: John M Dombrowski <wendysue@global2000.net>
To: aprssig@tapr.org
Subject: Re: APRS and the NWS message #2
Message-ID: <32890055.70A0a@global2000.net>

Larry Keeran wrote:

 \vee ∇

```
> If everyone (that wants to answer the APRS NWS question) briefly told what
> their area does, ONCE, then the rest of the WX and APRS chat can take
place
```

> by direct E-Mail. I think it would make the rest of the APRSSIG happy.

$$\succ :-)$$
 \vee ∇

Hi Larry

Based on the private responses I've received this would make many people happy. I don't agree that the discussion should go private though. This is the stuff the sig is for or at least I thought it was (moderator?).

John N20JY

Date: Tue, 12 Nov 96 17:58:57 -0500
From: Steve Dimse <sdimse@bridge.net>
To: <aprssig@tapr.org>
Subject: Re: APRS and the NWS
Message-ID: <199611122254.RAA11157@bridge.net>

>Hi Steve

>

>Thanks for the reply!

>

>I'm not sure of the capabilities. I think perhaps you are making the
>assumption that I know more than I do. If you could go one level lower
>you'd probably be on my level.

>

>John M Dombrowski N20JY

>

Ok, let me try again. What exactly do you want to accomplish with the installation. Something like this should start with a set of goals.

Do you want to support a network of automated weather stations, maybe mobile Skywarn spotters or tornado chasers? This is an application where APRS shines.

Do you want to disseminate forecasts and other weather products to a number of widely dispersed, pre-arranged sites such as emergency op centers or emergency shelters? Then regular packet is better.

Do you want to collect damage reports, casualty lists etc and forward them to an EOC? Regular packet.

Get the idea? Tell me what you want to do and I can help you pick. If you just pick a system, throw it up, and then see if you can put it to use

you will be disappointed!

Steve K4HG

Date: Tue, 12 Nov 1996 18:25:46 -0500
From: John M Dombrowski <wendysue@global2000.net>
To: aprssig@tapr.org
Subject: file transfer question
Message-ID: <3289077A.231C@global2000.net>

To The Authors'

Can you guys tell me about the file transfer capabilities of the various versions of APRS. Not only do we have a relationship with NWS but we have, after many years of trying, finally developed a relationship with our new county emergency manager and the local hospitals. They all express an interest in our digital capabilities but their interest seems to be in the transfer of things like lists of thinks.

TNX

John N20JY

Date: Tue, 12 Nov 1996 15:49:50 -0800
From: "Thom Proehl" <tmproehl@nwlink.com>
To: <aprssig@tapr.org>
Subject: Re: APRS and the NWS message #2
Message-ID: <199611122349.PAA04788@montana.nwlink.com>

I Agree with John N20JY - PLEASE do not take the discussion private, this is the type of thing we need to hear so we all do not have to reinvent the wheel.

Thanks,
Thom kc7fzo

> From: John M Dombrowski <wendysue@global2000.net>

> To: aprssig@tapr.org
> Subject: [APRSSIG:6322] Re: APRS and the NWS message #2
> Date: Tuesday, November 12, 1996 2:57 PM
>
> Larry Keeran wrote:
> >
> >
> > If everyone (that wants to answer the APRS NWS question) briefly told
what
> > their area does, ONCE, then the rest of the WX and APRS chat can take
place
> > by direct E-Mail. I think it would make the rest of the APRSSIG happy.
> > :-)
> >
> >
>
> Hi Larry
>
> Based on the private responses I've received this would make many people
> happy. I don't agree that the discussion should go private though. This
> is the stuff the sig is for or at least I thought it was (moderator?).
>
> John N20JY
>

Date: Tue, 12 Nov 1996 19:38:28 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: two digi's on one antenna
Message-ID: <Pine.GS0.3.95.961112193646.26496A-100000@arctic>

On Tue, 12 Nov 1996, Bill Northup wrote:

> I would also like feedback from those in New England to get a feel for how
> wide the coverage really is. So if you see N1QPR-2 let me know. Tomorrow
> we will make this the WIDE for the Boston area and change another
> local digi, N1CPE-2 to RELAY.

APRSDOS REPLY/COMMENT: Bravo! Glad to see someone understands the
difference between WIDE's and RELAY's. Thanks! Good work!

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Tue, 12 Nov 1996 19:39:47 -0500

From: Robert Kirk <kirk@neptune.gsfc.nasa.gov>

To: aprssig@tapr.org

Subject: Re: APRS, DPGS, etc.

Message-ID: <2.2.32.19961113003947.006b2e2c@neptune.gsfc.nasa.gov>

At 04:06 PM 12-11-96 -0600, Randy Hammock <hammock@wired.jpl.nasa.gov> wrote:

>I have been thinking of getting the JPL Amateur Radio Club to do
>something similar to what Tom Clark W3IWI is doing, providing DGPS
>signals in th Los Angeles area. Our club trustee thinks it is a great
>idea; however, he has expressed concerns over how this fits in under the
>Part 97 rules. He feels that it should go somewhere in the beacon band
>as it is an automatically generated signal, has no control operator and
>expects no connections. I said that it was a packet signal and could go
>anywhere packet is allowed.

>

>Any comments?

>--

It's important for APRS that the dgps be broadcast on the same freq as APRS - 145.79 here in the DC area. That way you can do regular APRS tracking and have differential at the same time: one radio, one tnc, one computer. The chief disadvantage of the USCG dgps broadcasts, besides the antique LF band, is that it requires a separate radio.

Results here show that a 20 second dgps packet is sufficient to keep your GPS locked on differential, and still doesn't clobber the APRS traffic.

I believe the same logic that lets you bcst APRS beacons holds for a dgps packet, too, so there's no administrative difficulty.

Cheers,

Bob Kirk
N3OZB

Date: Tue, 12 Nov 1996 19:58:25 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: APRS, DPGS, etc.
Message-ID: <Pine.GS0.3.95.961112194056.26496B-100000@arctic>

On Tue, 12 Nov 1996, Randy Hammock wrote:

> I have been thinking of getting the JPL Amateur Radio Club to do
> something similar to what Tom Clark W3IWI is doing, providing DGPS
> signals in th Los Angeles area. Our club trustee thinks it is a great
> idea; however, he has expressed concerns over how this fits in under the
> Part 97 rules. He feels that it should go somewhere in the beacon band

APRSDOS REPLY/COMMENT: Many people would probably agree that permanent
such installations would raise some eyebrows. Certainly in the long run
if this were perceived as a "service".

But what Tom is doing is certainly experimental and we are lucky to have
Tom here testing DGPS on Amateur radio in our area.

But APRS does not need the DGPS accuracy for its intended purpose, which
is tactical-real time communications and tracking moving vehicles. Even
if you are WALKING at just 3 MPH and your reporting rate is once a minute
(high by APRS standards) then you have moved almost 300 feet or more than
the average error of SA anyway. Why bother.

If you want a good fixed location, then DGPS helps, but leaving your GPS
in one spot and averaging positions over a length of time will also give
you excellent accuracy. We get consistent results to less than a foot
this way over a few days of averaging...

So why cut your APRS channel throughput in half by adding a DGPS if you
don't really need it. Again, Tom's DGPS here is not causing us any
problems, the net can handle it. But you might think about what you are
really trying to do before going to all the effort. If you have
mountains, then you might consider placing it on a big one, and on a

different FREQ so that it is available for others, but does not clog the APRS channel.

THis is not to say that there aren't valid AMATEUR applications for DGPS and better GPS accuracy, but from my perspective, APRS is not one of them. hi hi

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Tue, 12 Nov 1996 20:19:51 -0500 (EST)

From: Boyd Prestwood <w2hob@mosquito.com>

To: aprssig@tapr.org

Subject: Re: APRS and the NWS message #2

Message-ID: <199611130119.UAA10587@itchy.mosquito.com>

At 16:57 11/12/96 -0600, you wrote:

>Larry Keeran wrote:

>>

>>

>> If everyone (that wants to answer the APRS NWS question) briefly told what

>> their area does, ONCE, then the rest of the WX and APRS chat can take place

>> by direct E-Mail. I think it would make the rest of the APRSSIG happy.

>> :-)

>>

>>

>

>Hi Larry

>

>Based on the private responses I've received this would make many people

>happy. I don't agree that the discussion should go private though. This

>is the stuff the sig is for or at least I thought it was (moderator?).

>

>John N20JY

I would be interested in hearing how various NWS groups around the country solve their individual stumbling blocks so that I could advise the group

here in SNJ how it's being done. There's more than one way to skin a cat.
Keep it on the SIG! That's how we learn... from each other.

Have fun es 73 de Boyd
w2hob@mosquito.com

Date: Tue, 12 Nov 1996 20:18:40 -0500
From: John M Dumblewski <wendysue@global2000.net>
To: Steve Dimse <sdimse@bridge.net>
Subject: Re: file transfer question
Message-ID: <328921F0.575F@global2000.net>

Steve Dimse wrote:

>
> >To The Authors'
> >
> >Can you guys tell me about the file transfer capabilities of the various
> >versions of APRS. Not only do we have a relationship with NWS but we
> >have, after many years of trying, finally developed a relationship with
> >our new county emergency manager and the local hospitals. They all
> >express an interest in our digital capabilities but their interest seems
> >to be in the transfer of things like lists of thinks.
> >
> APRS has no file transfer capability, messages are limited to single
> lines, and APRS is not efficient in the way it handles messages. If this
> is what you want, then regular packet would fit your needs better.
>
> Steve K4HG

It seems as though I want it all and perhaps the lights will come on
soon for me!:-)

when we do certain aspects of public service we would want to transfer a
list of names or something like that. Other times we would want to make
announcements. My problem is that I'm not sure what we want exactly. I
think thats why I'm interested in the experiences of some of the members
of the group as to what works and what doesn't. I think that info will
help me to decide what we NEED to do. I'm not trying to be difficult.

We of course want to provide a means for the various emergency organizations to gather and distribute information via amateur radio digital modes.

John

Date: Tue, 12 Nov 1996 19:57:05 -0800
From: Tommie Taylor <tomcmugs@n-link.com>
To: aprssig@tapr.org
Subject: Re: APRS and the NWS
Message-ID: <32894711.6E5F@n-link.com>

Does anyone have the complete setting for a KPC3+GPS for mobile.
I need to see if the perms are set correctly on my Mobile unit.
I have the GPS and KPC3 running in the auto but I see the data being sent out but the \$GPGGA always shows the same data and is not updating.
Help
Tommy KC5UJH

Date: Tue, 12 Nov 1996 21:40:04 PST
From: kf4xh@juno.com (Andrew C. Middlebrooks)
To: aprssig@tapr.org
Subject: Southeast Digi's
Message-ID: <19961112.220318.5599.9.kf4xh@juno.com>

Trying to compile list of permanent DIGI's located in Southeastern states

Anyone willing to contribute info-Please reply with call & location as you know it or that
you catch on your map as a digi to: kf4xh@juno.com

Thanks in advance

Andy KF4XH
Byron, Peach Co. Ga

Date: Tue, 12 Nov 1996 18:42:23 -0800
From: reeves <reeves@christenson.com>
To: aprssig@tapr.org
Subject: Got the Shirts
Message-ID: <1.5.4.32.19961113024223.006821a8@hevanet.com>

Well, I finally got the 4 shirts I ordered. They look good.

Thanks Mike.

Ron Reeves
N7QX0
reeves@christenson.com

Date: Tue, 12 Nov 1996 20:24:51 -0700
From: David & Roxanne McCarthy <davidmc@goodnet.com>
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <32893F70.4D04@goodnet.com>

Bob Bruninga wrote:

>

> On Tue, 12 Nov 1996, Larry Keeran wrote:

>

> > >APRSdos REPLY/COMMENT: Nope, APRSdos will just stop accepting messages
> > >after 23. From then on it will send out REJects instead of ACKS.

> >

> > I am getting BUSY from the site now (with O C T). Is BUSY what connect
> > requests that are NAKed look like at my end? It doesn't answer a O Q
> > callsign or a ping from APRS either. I can connect to the NODE callsign
ok.

>

> APRSdos REPLY/COMMENT: APRS has nothing to do with CONNECTS. BUSY means
> the TNC is connected to someone. APRS will autmoatically force the TNC to
> disconnect every time it sends its STATUS BEACON. (at least once every 20
> minutes, so just wait.) If someone connects to an APRS station it will
> go to blue screen (OCT) for 3 minutes, then it will also try to
> disconnect.

>
> APRS should not affect how the PBBS works however.
>
> Reply mail addr: wb4apr@amsat.org
> See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

I have a KPC-3. The CMSG is set to PBBS. With CT telling anybody trying to connect they will be automatically forwarded to mt -1 mailbox. They cannot connect to mycall this way so as not to interfere with APRS. You have to set USERS to 2 also.

--

David McCarthy - KC7AYX - Motorola Amateur Radio Club of AZ
email: davidmc@goodnet.com packet: kc7ayx@kc7y.az.usa.noam
Visit the family homepage: <http://www.goodnet.com/~davidmc/>
"As for me and my house, we will serve the Lord." Jos 24:15

Date: Tue, 12 Nov 1996 19:27:10 -0800
From: Jim Duncan <ku0g@sprynet.com>
To: aprssig@tapr.org
Subject: Re: APRS and the NWS
Message-ID: <199611130327.TAA08555am1.sprynet.com>

At 19:58 11/12/96 -0600, you wrote:

>Does anyone have the complete setting for a KPC3+GPS for mobile.
>I need to see if the perms are set correctly on my Mobile unit.
>I have the GPS and KPC3 running in the auto but I see the data being
>sent out but the \$GPGGA always shows the same data and is not updating.
>Help
>Tommy KC5UJH

>

If your \$GPGGA string always shows the same data, then the most likely culprit is the GPS! If you are using a Garmin unit the most likely cause is not having a TRUE negative ELECTRICAL ground on the black wire. If you connect the black wire from the GPS to the -12 VDC (NEGATIVE) line then data will flow, otherwise nada....

73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
EMail: ku0g@kcaprs.com

EMail: ku0g@sprynet.com

Date: Wed, 13 Nov 1996 04:37:32 +0000
From: "John W.(Bill) Hays - w00mv" <billh@netins.net>
To: aprssig@tapr.org
Subject: Re: APRS and the NWS message #2
Message-ID: <3289508C.5AA1@netins.net>

Thom Proehl wrote:

>

> I Agree with John N20JY - PLEASE do not take the discussion private, this
> is the type of thing we need to hear so we all do not have to reinvent the
> wheel.

>

> Thanks,
> Thom kc7fzo
> -----

I too, concur.

Bill W00MV

Date: Tue, 12 Nov 1996 22:34:40 -0600
From: rbo@itexas.net (Roy Bost)
To: "APRS SIG" <aprssig@tapr.org>
Subject: Cse and Speed
Message-ID: <19961113043457168.AAA120@rbost.itexas.net>

I cannot get my Garmin-45 to send course and speed information to my KPC-3.
\$gprmc works fine except no course and speed and \$gpvtg does not send
course and speed. I'm using WinAPRS and have seen other stations with the
red line for cse and speed so I don't think it's the program. Does the
Garmin-45 not send this data or is mine broke?

Roy Bost, N5TAM
Granbury, Tx.
rbo@itexas.net
32 25' 33"N 97 48' 59"W

Date: Tue, 12 Nov 1996 21:49:39 -0800
From: Jim Duncan <ku0g@sprynet.com>
To: aprssig@tapr.org
Subject: Re: Cse and Speed
Message-ID: <199611130549.VAA13393am1.sprynet.com>

At 22:39 11/12/96 -0600, you wrote:
>I cannot get my Garmin-45 to send course and speed information to my KPC-3.
>\$gprmc works fine except no course and speed and \$gpvtg does not send
>course and speed. I'm using WinAPRS and have seen other stations with the
>red line for cse and speed so I don't think it's the program. Does the
>Garmin-45 not send this data or is mine broke?
>
>Roy Bost, N5TAM
>Granbury, Tx.
>rbost@itexas.net
>32 25' 33"N 97 48' 59"W
>

Do you have the black wire from the I/O port connected to ELECTRICAL ground?
Do you have the I/O Setup set to NMEA/NMEA? Do you have NMEA-0183 v2.0
selected?

Those are the most likely problems...

Good luck!

73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
EMail: ku0g@kcaprs.com
EMail: ku0g@sprynet.com

Date: Tue, 12 Nov 1996 23:51:47 -0600
From: Robert Winingham <kc5ejk@onramp.net>
To: aprssig@tapr.org
Cc: rbost@itexas.net

Subject: Re: Cse and Speed

Message-ID: <v03007800aeaf0c6747a3a[199.1.11.119]>

>I cannot get my Garmin-45 to send course and speed information to my KPC-3.
>\$gprmc works fine except no course and speed and \$gpvtg does not send
>course and speed. I'm using WinAPRS and have seen other stations with the
>red line for cse and speed so I don't think it's the program. Does the
>Garmin-45 not send this data or is mine broke?
>

I send RMC and GGA data as
that gives Course , speed and alt.
Check that you are using NMEA 0183 2.0 in the Garmin-45 I/O setup.

The latest version of MACAPRS has a bug that causes course and speed
vectors not to be displayed. I just use an older version. SO WinAPRS
may have the same problem but Mark fixes things fast so check the
latest version.

Here is what is in RMC and GGA

\$GPRMC,123519,A,4807.038,N,01131.324,E,000.0,276.9,150895,000.5,E*73
HHMMSS,V,DDMM.MMM,N,DDDMM.MMM,E,SPEED,TRACK,DATE ,DEVIA,E*CS

HHM...:time UTC

V: validity flag (V=invalid, A=valid)

DDM...:degree value of latitude

N: north/south (N/S)

DDD...:degree value of longitude

E: east/west (E/W)

SPEED:speed over ground, measured in knots

TRACK:course over ground or track

DATE: current date

DEVIA:magnetic deviation

E: east/west (E/W)

\$GPGGA,123519,4807.038,N,01131.324,E,1,08,0.9,545.4,M,46.9,M, , *42
HHMMSS,DDMM.MMM,N,DDDMM.MMM,E,Q,NS,DOP,ALTI ,U,FF.F,U,?,?*CS

HHM...:time UTC

DDM...:degree value of latitude

N: north/south (N/S)
DDD.:degree value of longitude
E: east/west (E/W)
Q: quality of fix(?)
ALTI: integer value of height above sealevel
U: units (M=meter)
?: unknown
CS: checksum

The latest version of MACAPRS has a bug that causes course and speed not to be displayed. I just use an older version. SO WinAPRS may have the same problem but Mark fixes things fast so check the latest version.

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

Date: Tue, 12 Nov 1996 23:54:36 -0600 (CST)
From: rsellers@rockford.com (Roger Sellers)
To: aprssig@tapr.org
Subject: Re: Cse and Speed
Message-ID: <199611130554.XAA11594@tapr.org>

>

>I cannot get my Garmin-45 to send course and speed information to my KPC-3.
>\$gprmc works fine except no course and speed and \$gpvtg does not send
>course and speed. I'm using WinAPRS and have seen other stations with the
>red line for cse and speed so I dont't think it's the program. Does the
>Garmin-45 not send this data or is mine broke?

>

>Roy Bost, N5TAM
>Granbury, Tx.
>rbost@itexas.net
>32 25' 33"N 97 48' 59"W

>

>

Hello Roy,

I have the I/O setup on mine reading:
NMEA/NMEA
NMEA 0183 1.5
4800 BAUD

And it works fine. Check these settings out.

73,

Roger Sellers

Amateur Radio: KB9LBU

E-Mail Home: rsellers@rockford.com

kb9lbu@juno.com

E-Mail Work: rsellers@snds.com

Date: Tue, 12 Nov 1996 23:30:49 -0800
From: Steve Boyle <sboyle@netcom.com>
To: aprssig@tapr.org
Subject: The NMEA FAQ
Message-ID: <32897929.4F80@netcom.com>

Hello,

I happened to find my copy of the NMEA FAQ. I do not know when the last time was it made the rounds (I have not been a member for very long) or if there is a newer version. Anyway, here it is:

Steve
KD6WXD

----- Cut Here -----

The NMEA FAQ
Version 2.0 Jan. 1, 1996

Additions, corrections, and comments should be emailed to the author,

Peter Bennett bennett@triumf.ca

Contents:

1. What is NMEA?
 - 1.1 What is an NMEA Standard
 - 1.2 NMEA Address
2. Electrical Interface
3. NMEA-0180 and NMEA-0182
 - 3.1 Simple Format
 - 3.2 Complex Format
4. NMEA-0183
 - 4.1 General Sentence Format
 - 4.2 Sentences sent by specific equipment
 - 4.3 Sample Sentences Dissected
 - 4.3.1 Standard Sentences
 - 4.3.2 Garmin Proprietary Sentences
5. RS-232 connections
6. About the author
 - 6.1 Acknowledgements
1. What is NMEA?

The National Marine Electronics Association is dedicated to the education and advancement of the marine electronics industry and the market which it serves.

It is a non-profit association composed of manufacturers, distributors, dealers, educational institutions, and others interested in peripheral marine electronics occupations
(quoted from a promo in "NMEA News")

1.1 What is an NMEA standard?

For the purposes of this article, an NMEA standard defines an electrical interface and data protocol for communications

between marine instrumentation. (They may also have standards for other things.)

1.2 NMEA Address

P.O. Box 3435

New Bern NC, 28564-3435

U.S.A.

Phone: 919-638-2626

Fax: 919-638-4885

<http://www.coastalnet.com/business/electronics/nmea/nmeawww.html>

2. Electrical Interface

These standards allow a single "talker", and several "listeners" on one circuit. The recommended interconnect wiring is a shielded twisted pair, with the shield grounded only at the talker. The standards do not specify the use of any particular connector.

The NMEA-0180 and 0182 standards say that the talker output may be RS-232, or from a TTL buffer, capable of delivering 10 mA at 4 V. A sample circuit shows an open collector TTL buffer with a 680 ohm resistor to +12 V, and a diode to prevent the output voltage from rising above +5.7 V.

NMEA-0183 accepts this, but recommends that the talker output comply with EIA-422. This is a differential system, having two signal lines, A and B. The voltages on the "A" line correspond to those on the older TTL single wire, while the "B" voltages are reversed (while "A" is at +5, "B" is at ground, and vice versa)

In either case, the recommended receive circuit uses an opto-isolator with suitable protection circuitry. The input should be isolated from the receiver's ground.

In practice, the single wire, or the EIA-422 "A" wire may be directly connected to a computer's RS-232 input.

3. NMEA-0180 and NMEA 0182

NMEA-0180 and 0182 are very limited, and just deal with communications from a Loran-C (or other navigation receiver, although the standards specifically mention Loran), and an autopilot.

From the information I have, it appears that 0180 and 0182 are identical. I suspect that equipment claiming to use NMEA-0180 will use the "simple" format described below, while those using NMEA-0182 will use the "complex" format. (but this is really just a guess... corrections??)

3.1 "Simple" data format

The simple format consists of a single data byte transmitted at intervals of 0.8 to 5 seconds, at 1200 baud with odd parity. Bits 5 - 0 give the cross-track error in units of 0.1 uS or 0.01 nautical mile. The error is given in offset binary, with a count of 1 representing full scale right error, 32 (hex 20) for on course, and 63 (hex 3f) full scale left error. Bit 6 is a 1 if the data is valid, and bit 7 is 0 to indicate the simple data format.

3.2 "Complex" data format

The complex format consists of a data block of 37 bytes of (mostly) readable ASCII text giving cross-track error, bearing to waypoint, present Lat/Long, and a binary status byte. The data block shall be sent at intervals of 2 to 8 sec. All bytes in the complex format have bit 7 = 1 to distinguish them from the simple format. It is permissible for a sending device to send both simple and complex data, and even to send a "simple" data byte in the middle of a "complex" data block.

Byte	Data
1	\$
2	M device
3	P address
4	K = kilometres cross track N = nautical miles error

	U = microseconds	units
5 - 8	0 - 9 or .	cross track error value
9	L or R	cross track error position
10	T or M	True or Magnetic bearing
11 - 13	0 - 9	bearing to next waypoint
14 - 23	12D34'56"N or 12D34.56'N	present latitude
24 - 34	123D45'56"W or 123D45.67"W	present longitude
35	non-ASCII status byte	
	bit 0 = 1 for manual cycle lock	
	1 = 1	low SNR
	2 = 1	cycle jump
	3 = 1	blink
	4 = 1	arrival alarm
	5 = 1	discontinuity of TDs
	6 = 1	always
36	"NUL" character (hex 80)(reserved status byte)	
37	"ETX" character (hex 83)	
Any unavailable data is filled with "NUL" bytes.		

4. NMEA-0183

4.1 General Sentence Format

Under the NMEA-0183 standard, all characters used are printable ASCII text (plus carriage return and line feed).

The data is transmitted in the form of "sentences". Each sentence starts with a "\$", a two letter "talker ID", a three letter "sentence ID", followed by a number of data fields separated by commas, and terminated by an optional checksum, and a carriage return/line feed. A sentence may contain up to 82 characters including the "\$" and CR/LF.

If data for a field is not available, the field is simply omitted, but the commas that would delimit it are still sent, with no space between them.

Since some fields are variable width, or may be omitted as above, the receiver should locate desired data fields by counting commas, rather than by character position within the sentence.

The optional checksum field consists of a "*" and two hex digits representing the exclusive OR of all characters between, but not including, the "\$" and "*". A checksum is required on some sentences.

The standard allows individual manufacturers to define proprietary sentence formats. These sentences start with "\$P", then a 3 letter manufacturer ID, followed by whatever data the manufacturer wishes, following the general format of the standard sentences.

Some common talker IDs are:

GP	Global Positioning System receiver
LC	Loran-C receiver
OM	Omega Navigation receiver
II	Integrated Instrumentation (eg. AutoHelm Seataalk system)

4.2 Sentences sent by specific equipment

This section lists the sentence types used by various equipment. The format and data included in each sentence type is given in section 4.3.

Eagle AccuNav

Standard: RMB, RMC, GLL, APB

Proprietary: PSLIB

It also pretends it's a Loran, sending LCGLL, as well as

GPGLL

Garmin GPS-45 (and probably GPS-40 and GPS-90)

Standard: BOD, GLL, RTE, RMB, RMC, GGA, GSA, GSV

Proprietary: PGRME, PGRMM, PGRMZ

Garmin GPS-65 (and probably GPS-75)

Standard: BWC, GLL, RMB, RMC, R00, WPL, XTE, VTG

Proprietary: PGRMM, PGRMZ, PSLIB

Magellan Trailblazer

Standard: APB, BWC, GGA, GLL, RMB, RMC, VTG

Trimble Ensign XL

Standard: APA, BWC, BWR, GGA, GLL, RMB

Trimble Flightmate Pro and Scoutmaster

Standard: APA, APB, BWC, GGA, GLL, GSA, GSV, RMB, RMC,
VTG, WCV, XTE, ZTG

Autohelm Seataalk

Autohelm Seataalk is a proprietary bus for communications between various instruments. Some of the instruments can act as NMEA-0183 talkers or listeners. Data received from an external NMEA-0183 device will, if Seataalk understands the sentence, be re-transmitted, but not necessarily in the same sentence type.

The specific sentences sent will depend on the data available on the Seataalk bus (i.e. sentences containing wind speed and direction will only be sent if the system includes a wind instrument)

Seataalk output:

Standard: APB, BPI, BWC, VWR, VHW, DBT, GLL, HDM, HDT, HCS,
MTW, VTG

Seataalk input:

Standard: APA, APB, RMB, XTE, XTR, BPI, BWR, BWC, BER,
BEC, WDR, WDC, BOD, WCV, VHW, VWR, DBT

4.3 Sample Sentences Dissected

4.3.1 Standard Sentences

A talker typically sends a group of sentences at intervals determined by the unit's update rate, but generally not more often than once per second.

Characters following the "*" are a checksum. Checksums are optional for most sentences, according to the standard.

APB - Autopilot format B

APB,A,A,0.10,R,N,V,V,011,M,DEST,011,M,011,M

A	Loran-C blink/SNR warning
A	Loran-C cycle warning
0.10	cross-track error distance
R	steer Right to correct (or L for Left)
N	cross-track error units - nautical miles
V	arrival alarm - circle
V	arrival alarm - perpendicular
011,M	magnetic bearing, origin to destination
DEST	destination waypoint ID
011,M	magnetic bearing, present position to

destination

011,M	magnetic heading to steer
	(bearings could be given in True as 033,T)

(note: some pilots, Roberston in particular, misinterpret

"bearing

from origin to destination" as "bearing from present position

to

destination". This apparently results in poor performance if

the

boat is sufficiently off-course that the two bearings are different.)

BOD - Bearing - origin to destination waypoint

BOD,045.,T,023.,M,DEST,START

045.,T	bearing 045 True from "START" to "DEST"
023.,M	breaing 023 Magnetic from "START" to "DEST"
DEST	destination waypoint ID
START	origin waypoint ID

BWC - Bearing and distance to waypoint - great circle

BWC,225444,4917.24,N,12309.57,W,051.9,T,031.6,M,001.3,N,004*29

225444	UTC time of fix 22:54:44
4917.24,N	Latitude of waypoint
12309.57,W	Longitude of waypoint
051.9,T	Bearing to waypoint, degrees true
031.6,M	Bearing to waypoint, degrees magnetic
001.3,N	Distance to waypoint, Nautical miles
004	Waypoint ID

BWR - Bearing and distance to waypoint - rhumb line

(format same as BWC)

DBT - Depth below transducer

DBT,0017.6,f,0005.4,M

0017.6,f 17.6 feet

0005.4,M 5.4 Metres

GGA - Global Positioning System Fix Data

GGA,123519,4807.038,N,01131.324,E,1,08,0.9,545.4,M,46.9,M, , *42

123519 Fix taken at 12:35:19 UTC

4807.038,N Latitude 48 deg 07.038' N

01131.324,E Longitude 11 deg 31.324' E

1 Fix quality: 0 = invalid

1 = GPS fix

2 = DGPS fix

08 Number of satellites being tracked

0.9 Horizontal dilution of position

545.4,M Altitude, Metres, above mean sea level

46.9,M Height of means sea level above WGS84 geoid

(empty field) time in seconds since last DGPS update

(empty field) DGPS station ID number

GLL - Geographic position, Latitude and Longitude

GLL,4916.45,N,12311.12,W,225444,A

4916.45,N Latitude 49 deg. 16.45 min. North

12311.12,W Longitude 123 deg. 11.12 min. West

225444 Fix taken at 22:54:44 UTC

A Data valid

(Garmin 65 does not include time and status)

GSV - Satellites in view

GSV,2,1,08,01,40,083,46,02,17,308,41,12,07,344,39,14,22,228,45*75

2 Number of sentences for full data

1 sentence 1 of 2

08 Number of satellites in view

01 Satellite PRN number

40 Elevation, degrees

083 Azimuth, degrees

46 Signal strength - higher is better

<repeat for up to 4 satellites per sentence>

There may be up to three GSV sentences in a data packet

HDM - Heading, Magnetic

HDM,235.,M

HDM Heading, Magnetic
235.,M Heading 235 deg. Magnetic
 (HDG, which includes deviation and variation, is recommended
 instead)

HSC - Command heading to steer
HSC,258.,T,236.,M
 258.,T 258 deg. True
 236.,M 136 deg. Magnetic

MTW - Water temperature, Celcius
MTW,11.,C
 11.,C 11 deg. C

R00 - List of waypoint IDs in currently active route

R00,MINST,CHATN,CHAT1,CHATW,CHATM,CHATE,003,004,005,006,007,,,*05
 (This sentence is produced by a Garmin 65, but is not listed
 in Version 2.0 of the standard. The standard lists RTE for
 this purpose.)

RMB - Recommended minimum navigation information (sent by nav.
 receiver when a destination waypoint is active)

RMB,A,0.66,L,003,004,4917.24,N,12309.57,W,001.3,052.5,000.5,V*0B
A Data status A = OK, V = warning
0.66,L Cross-track error (miles), steer Left to correct
003 Origin waypoint ID
004 Destination waypoint ID
4917.24,N Destination waypoint latitude 49 deg. 17.24 min.
N
12309.57,W Destination waypoint longitude 123 deg. 09.57
min. W
001.3 Range to destination, nautical miles
052.5 True bearing to destination
000.5 Velocity towards destination, knots
V Arrival alarm A = arrived, V = not arrived
*0B mandatory checksum

RMC - Recommended minimum specific GPS/Transit data

RMC,225446,A,4916.45,N,12311.12,W,000.5,054.7,191194,020.3,E*68
225446 Time of fix 22:54:46 UTC
A Navigation receiver warning A = OK, V = warning
4916.45,N Latitude 49 deg. 16.45 min North

12311.12,W	Longitude 123 deg. 11.12 min West
000.5	Speed over ground, Knots
054.7	Course Made Good, True
191194	Date of fix 19 November 1994
020.3,E	Magnetic variation 20.3 deg East
*68	mandatory checksum

RTE - Waypoints in active route

RTE,2,1,c,0,W3IWI,DRIVWY,32CEDR,32-29,32BKLD,32-I95,32-US1,BW-32,BW-198*69

2	two sentences for full data
1	this is sentence 1 of 2
c	c = complete list of waypoints in this route
w	w = first listed waypoint is start of current

leg

0	Route identifier
W3IWI...	Waypoint identifiers

VHW - Water speed and heading

VHW,259.,T,237.,M,05.00,N,09.26,K	
259.,T	Heading 259 deg. True
237.,M	Heading 237 deg. Magnetic
05.00,N	Speed 5 knots through the water
09.26,K	Speed 9.26 KPH

VWR - Relative wind direction and speed

VWR,148.,L,02.4,N,01.2,M,04.4,K	
148.,L	Wind from 148 deg Left of bow
02.4,N	Speed 2.4 Knots
01.2,M	1.2 Metres/Sec
04.4,K	Speed 4.4 Kilometers/Hr

VTG - Track made good and ground speed

VTG,054.7,T,034.4,M,005.5,N,010.2,K	
054.7,T	True track made good
034.4,M	Magnetic track made good
005.5,N	Ground speed, knots
010.2,K	Ground speed, Kilometers per hour

WCV - Waypoint Closure Velocity

WDC - Distance to Waypoint

WDR - Waypoint Distance, Rhumb Line

WPL - waypoint location

WPL,4917.16,N,12310.64,W,003*65

4917.16,N Latitude of waypoint

12310.64,W Longitude of waypoint

003 Waypoint ID

When a route is active, this sentence is sent once for each waypoint in the route, in sequence. When all waypoints have been reported, GPR00 is sent in the next data set. In any group of sentences, only one WPL sentence, or an R00 sentence, will be sent.

XTE - Cross track error, measured

XTE,A,A,0.67,L,N

A General warning flag V = warning
(Loran-C Blink or SNR warning)

A Not used for GPS (Loran-C cycle lock flag)

0.67 cross track error distance

L Steer left to correct error (or R for right)

N Distance units - Nautical miles

XTR - Cross-Track Error - Dead Reckoning

XTR,0.67,L,N

0.67 cross track error distance

L Steer left to correct error (or R for right)

N Distance units - Nautical miles

4.3.2 Proprietary Sentences

The following are Garmin proprietary sentences. "P" denotes proprietary, "GRM" is Garmin's manufacturer code, and "M" or "Z" indicates the specific sentence type.

\$PGRMZ,93,f,3*21

93,f Altitude in feet

3 Position fix dimensions 2 = user altitude
3 = GPS altitude

This sentence shows in feet, regardless of units shown on the display.

\$PGRMM,NAD27 Canada*2F

Currently active horizontal datum

Proprietary sentences to control a Starlink differential beacon receiver. (I assume Garmin's DBR is made by Starlink)

\$PSLIB,,,J*22

\$PSLIB,,,K*23

These two sentences are normally sent together in each group of sentences from the GPS.

The three fields are: Frequency, bit Rate, Request Type. The value in the third field may be:

J = status request

K = configuration request

blank = tuning message

When the GPS receiver is set to change the DBR frequency or baud rate, the "J" sentence is replaced (just once) by (for example): \$PSLIB,320.0,200*59 to set the DBR to 320 KHz, 200 baud.

5. RS-232 connections

Although this is not really related to NMEA, many people want to connect a GPS to a computer, so need to know about the RS-232 serial ports on a computer.

The RS-232 standard defines two classes of devices that may communicate using RS-232 serial data - Data Terminal Equipment (DTE), and Data Communication Equipment (DCE). Computers and terminals are considered DTE, while modems are DCE. The standard defines pinouts for DTE and DCE such that a "straight through" cable (pin 2 to pin 2, 3 to 3, etc) can be used between a DTE and DCE. To connect two DTEs together, you need a "null modem" cable, that swaps pins between the two ends (eg. pin 2 to 3, 3 to 2). Unfortunately, there is sometimes disagreement whether a certain device is DTE or DCE, hence my standard RS-232 disclaimer:

if it doesn't work, swap pins 2 and 3!

The standard RS-232 connector is a 25 conductor DB-25, although many PCs (and some other equipment) now use a 9 pin DE-9 (often incorrectly called DB-9)

Serial Port Connections

Computer (DTE)				Modem
DB-25	DE-9	Signal	Direction	DB-25

2	3	Tx Data	→	2
3	2	Rx Data	←	3
4	7	Request to send	→	4
5	8	Clear to send	←	5
6	6	Data Set Ready	←	6
7	5	signal ground		7
8	1	Data CarrierDetect	←	8
20	4	Data Terminal Ready	→	20
22	9	Ring Indicator	←	22

For NMEA-0183 interfacing, we are only concerned with Rx Data, signal ground (and possibly Tx Data, if we want the computer to talk to the GPS)

6. About the author

This FAQ was written by:
Peter Bennett
bennett@triumf.ca

I have an FTP site containing this file, a GPS FAQ, and other NMEA information files and PC programs for capturing and displaying NMEA data, and related things:

<ftp://sundae.triumf.ca/pub/peter/index.html>

6.1 Acknowledgments

I would like to thank the following for their contributions or corrections to this document:

Tom Clark, clark@tomcat.gsfc.nasa.gov
Bob Shearer, t.shearer@unixa.nerc-wallingford.ac.uk
David Steckler, davidst@nobeltec.com
Karl Olmstead, olmstead@ridgecrest.ca.us

Peter Bennett VE7CEI	Vessels shall be deemed to be in sight
Internet: bennett@triumf.ca	of one another only when one can be

Packet: ve7cei@ve7kit.#vanc.bc.ca | observed visually from the other
TRIUMF, Vancouver, B.C., Canada | ColRegs
3(k)
GPS and NMEA info and programs:
ftp://sundae.triumf.ca/pub/peter/index.html

End of APRSSIG Digest 765

From aprssig@tapr.org Fri Nov 15 21:54:04 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP
id AA1603 ; Fri, 15 Nov 96 21:11:32 UTC
Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id MAA04387; Fri, 15 Nov 1996 12:29:30 -0600
(CST)
Date: Fri, 15 Nov 1996 12:29:30 -0600 (CST)
Message-Id: <199611151819.MAA03559@tapr.org>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6425] APRSSIG digest 769
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
X-Mailer: MR/2 Internet Cruiser Edition for OS/2 v1.2
In-Reply-To: <888463@bbs.ames.net>
Status: R

APRSSIG Digest 769

Topics covered in this issue include:

- 1) Re: DOS APRS in WIN95 in Background!
by Bob Bruninga <bruninga@nadn.navy.mil>
- 2) Re: Cse and Speed
by Robert Winingham <kc5ejk@onramp.net>
- 3) Re: KPC-3 on a boatride
by Robert Winingham <kc5ejk@onramp.net>

- 4) AMATEUR EQUIPMENT FOR SALE
by "Bob Dye" <kc4hdk@gate.net>
- 5) Re: KPC-3 on a boatride
by Steve Gemeny <sgemeny@access.digex.net>
- 6) Re: APRS, DPGS, etc.
by Steve Childress <stevech@pacbell.net>
- 7) Re: WinAPRS 1.1.7
by BordingK@aol.com
- 8) Re: WinAPRS 1.1.7
by Gary Arnold <garnold@naples.net>
- 9) Re: Unwarranted/unwanted attachments!
by "David W. McNeil" <ki5vm@flash.net>
- 10) Re: APRS, DPGS, etc.
by clark@tomcat.gsfc.nasa.gov (Tom Clark -- W3IWI)
- 11) HELP-UTM Grid to LAT/LON Conversion
by "Theodore A. Antanaitis" <tedant@pipeline.com>
- 12) Re: [BitBucket] Approximately 100.00 US dollar GPS receiver
by SWeigold@aol.com
- 13) Re: WinAPRS 1.1.7
by Mark Sproul <sproul@ap.org>
- 14) New WX format?
by Bob Bruninga <bruninga@nadn.navy.mil>
- 15) Approximately 100.00 US dollar GPS receiver (fwd)
by Bob Bruninga <bruninga@nadn.navy.mil>
- 16) Re: HELP-UTM Grid to LAT/LON Conversion
by Tyler Parsons <parsont@peak.org>
- 17) Re: [Q] KPC-3
by dougwe@ccintnet.wrq.com
- 18) Re: Approximately 100.00 US dollar GPS receiver (fwd)
by Steve Boyle <sboyle@netcom.com>
- 19) Delivery-Report (failure) for
by "X.400_Mail_Gateway" <X400Postmaster@resonet.com>
- 20) Re: New WX format?
by "John B. Leonard, Jr" <jleonard@tbcnet.com>
- 21) Re: Digitizing with a MAC
by Mike Musick <71301.3106@CompuServe.COM>
- 22) Re: WinAPRS 1.1.7
by schiers@ames.net

Date: Thu, 14 Nov 1996 21:01:07 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>

To: aprssig@tapr.org
Subject: Re: DOS APRS in WIN95 in Background!
Message-ID: <Pine.GS0.3.95.961114205715.17300B-100000@arctic>

On Thu, 14 Nov 1996, Arte Booten wrote:

> I find it easier to simply press Alt-Esc, which will also
> minimize APRS to the taskbar, but doing it this way APRS re-
> mains ACTIVE in the background. Using the "DOZE" mode allows
> you to keep APRS in memory but... you'll be missing
> information and won't be uplinking your info.
>

APRSDOS REPLY/COMMENT: WRONG. I named the mode DOZE because it helps in a winDOZE environment. APRS is still running fully. It just doesn't write anything to the video card while "DOZEing". This makes it work in all windows backgrounds (hopefully) without having to worry about video and screen compatibility problems. Hope this helps.

Reply mail addr: wb4apr@amsat.org
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Thu, 14 Nov 1996 20:19:34 -0600
From: Robert Winingham <kc5ejk@onramp.net>
To: aprssig@tapr.org
Subject: Re: Cse and Speed
Message-ID: <v03007801aeb17c953953@[199.1.11.109]>

>The problem may be that you have not told the KPC-3 to look for the
>vgmt sentence set the gpshead parameter in your KPC-3 to \$GPVGT
>and it must be in CAPS!

For the Garmin-45, note the difference between having an I/O setting of Version 1.5 or version 2.0. I think most people use version 2.0.

NMEA INTERFACE INFORMATION:
Garmin-45

0183 version 1.5 (Approved sentences BWC, GLL, RMB, RMC, XTE, VTG, WPL; Proprietary sentences PGRMM (map datum), PGRMZ (altitude), PSLIB (DGPS beacon remote control)).

0183 version 2.0 (Approved sentences GCA, GLL, GSA, GSV, RMB, RMC, RTE, WPL; Proprietary sentences PGRME (estimated error), PGRMM (map datum), PGRMZ (altitude), PSLIB (DGPS beacon remote control)).

The GPShead parameter is looking for an exact match so what ever you are trying to read must match, be it upper or lower case. The NMEA approved GPS sentences are uppercase.

The line string match can be a GPS, a Davis/Peet WX system, or a DFrj Doppler DF unit, or some other fun device. What ever you want to trigger a line capture for later transmission.

If you have a Garmin-20 set one of the GPShead to \$PGRMT and the world can tell if your GPS board is too hot !!
Output is in Degrees C.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

Date: Thu, 14 Nov 1996 20:21:03 -0600
From: Robert Winingham <kc5ejk@onramp.net>
To: aprssig@tapr.org
Subject: Re: KPC-3 on a boatride
Message-ID: <v03007800aeb17627b67a@199.1.11.109>

> specifically, my position
>GPSHEAD 1 \$GPGGA
>GPSHEAD 2 \$GPGGA
>GPSHEAD 3 \$GPGGA
>

You might want to output a \$GPRMC that sends a POSIT and a GPS course and speed.

The Alt (height above sealevel) that is part of \$GPGGA doesn't change much except in the LOCKS. :-)

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

Date: Thu, 14 Nov 1996 21:52:17 -0500
From: "Bob Dye" <kc4hdk@gate.net>
To: "aprs sig" <aprssig@tapr.org>, "GEORGE DAWSON" <wa4owc@treco.net>,
Subject: AMATEUR EQUIPMENT FOR SALE
Message-ID: <199611150305.WAA48408@osceola.gate.net>

Well here is the list. Most of this equipment was hardly ever used. I am getting out of many parts of ham radio concentrating on my UHF repeater and links to it. I will pay for shipping. Can do COD or check in advice.

Please

pass on this message to others that may be interested. If you are on local packet please post it on the local BBS. Trying to generate revenue. Thank you
for your time.

Bob

kc4hdk@gate.net

561.552.3114 If no answer leave voice mail

MANUFACTURE	MODEL #	CONDITION & DESCRIPTION
-------------	---------	-------------------------

ASKING

MFJ	VERSA TUNER V	GOOD
\$250		

KENWOOD TS690 EXCELLENT, WITH INTERNAL ANT TUNER
\$1,200

AEA DSP-232 NEW IN BOX
\$343

YAESU G-5400B EXCELLENT, SEPARATOR KIT, 200'
CABLE \$456

KIRON CORP SATTRAK IV HIGH ACC CLOCK, TRACKING BOX
\$388

Date: Thu, 14 Nov 1996 22:06:23 -0500 (EST)
From: Steve Gemeny <sgemeny@access.digex.net>
To: aprssig@tapr.org
Subject: Re: KPC-3 on a boatride
Message-ID: <Pine.SUN.3.94.961114220403.12830B-100000@access4.digex.net>

On Thu, 14 Nov 1996, Robert Winingham wrote:

> You might want to output a \$GPRMC that sends a POSIT and a GPS
> course and speed.
>
> The Alt (height above sealevel) that is part of \$GPGGA doesn't change
> much except in the LOCKS. :-)

woulda ... but Magellen didn't give me that option. Least not that I
could find in the manual.

Steve
AA3NM

Date: Thu, 14 Nov 1996 19:43:09 -0800
From: Steve Childress <stevech@pacbell.net>
To: "'aprssig@tapr.org'" <aprssig@tapr.org>
Subject: Re: APRS, DPGS, etc.
Message-ID: <01BBD265.99315EA0@appp-206-170-121-15.sndg02.pacbell.net>

----- =_NextPart_000_01BBD265.99315EA0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Can you say much about your DGPS beacon, AVL project?
I'm learning about AVL systems.
stevech@pacbell.net

From: Gerald J Creager[SMTP:gerry@cs.tamu.edu]
Sent: Wednesday, November 13, 1996 1:26 AM
To: aprssig@tapr.org
Subject: [APRSSIG:6350] Re: APRS, DPGS, etc.

Randy,

My take on it is, it's packet, it's a service to local amateurs (eg., QST).
Therefore, with appropriate ID'ing it could go wherever the APRS activity
is.

I'll be putting up a DPGS beacon here in College Station, Texas, but it'll
be
on commercial freq's... because that's where the folks paying for it are
doing
AVL work. Still and all, I'll be publishing the frequency and possibly
splitting off the feed to a 145.79 transmitter sometime in the future.

73, gerry

--

Gerry Creager N5JXS
gerry@cs.tamu.edu
talk

* SAREX Co-Investigator
* A little radio that lets kids
* to astronauts, and smile

**

----- =_NextPart_000_01BBD265.99315EA0

Content-Type: application/ms-tnef

Content-Transfer-Encoding: base64

eJ8+IggDAQaQCAAEAAAAAAAAABAAEAQeQBGAIAAAA5AQAAAAAADoAAENgAQAAGAAAAIAAgABBJAG
AAwBAAABAAAADAAAAAAMADADAAAAACwAPDgAAAAACAf8PAQAAAD8AAAAAAAAGSsfPL6jEBmdbgDd
AQ9UAgAAAABhcHJzc2lnQHRhcHIub3JnAFNNVFAAYXByc3NpZ0B0YXBYLm9yZWAAHgACMAEAAAAF
AAAAU01UAAAAAAAAeAMwAQAAABEAAABhcHJzc2lnQHRhcHIub3JnAAAAAAMAFQwBAAAAAwD+DwYA
AAAEAAEWAAQAAABMAAAANyXByc3NpZ0B0YXBYLm9yZyAAAIBCzABAAAAFgAAAFNNVFA6QVBSU1NJ
R0BUQVBLSk9SRwAAAAAAMADkAAAAACwBA0gEAAAACAfYPAQAAAAQAAAAAAAADeY4BCIAHABgAAABJ
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DgATACoAHAAEAekBAQMAAAQAhAAAAARjM4NDBCRkM1NTNFRDAXMUJCODM0NDQ1NTM1NDAAWMDAA6QYB
A5AGAIgFAAASAAAAACwAjAAAAAADACYAAAAAAsAKQAAAAAAAwA2AAAAABAADkAQABgHqfSwwEe
AHAAAQAAACgAAABSRTOgW0FU1NTSUC6NjM1MF0gUmU6IEFU1MsIERQR1MsIGV0Yy4AAgFxAEEA
AAAWAAAAAbvSpx5g/AuE9D5VEdC7g0RFU1QAAAAAHgAeDAEAAAAFAAAAU01UAAAAAAAAeAB8MAQAA
ABQAAABzdGV2ZWNoQHBBY2JlbGwubmV0AAMABhBA9HqIAwAHEA4DAAAEAAgQAQAAAGUAAABDQU5Z
T1VTQV1NVUNIQUJPVVRZT1VSREdQU0JFQUNPTixBVkxQUk9KRUNUP01NTEVBuk5JTKdBQk9VVEFW
TFNZU1RFTVNTVEVWRUNIQFBBQ0JFTEORVQTLs0tLS0tLS0tR1JPAAAAAAIBCRABAAAA/wMAAPsD
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cRHic3R1bQKDM3cC5AcTAoB9CoAIzwnZ0/EWDzI1NQKACoENsQtg4G5nMTAzFFALChRRpQvYyWBA
IEMdkXkIYIAGc2F5IG11EXA+IAGgCGAFQBsxBCBER7JQBfBiZQDQAIAsFLBIVkwgE1BvagWQdII/
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mi4FsGc0Xy80dWId8gM2fyqrW0FU1NTAE1H0jYzNTBdHQfwZTvpAPbIdYERQR5s/ARHAYyCWiy0z
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yURwdG8e4G9jB0Ab8A8AwBPQCHAEICh1Zy5BHWWBRU1QpLiKmVG5oBJANwAWwZR1gA/B0fRvhcB3B
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CoVEkQWgbQeAcmMHMdIgA1BlcUVQL1WAHPH9R0B1EbBMwUegRVFMM0zD6QIQbGtFYnkfQkmRRLJz
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/zigR6AFsSkMLN9mj2dkauGuQR7gXpEe8CArkGRSUItWMx7hdAQga21kBCD/AZBXcAqFbt9v72vH
ZhBf0vsTwANgblXwbbAdYFqSYNH7HvAKhSpzr3S/dc9233d3vyJPQH9BjyZyCoUVMQB8oAADABAQ
AAAAAAMAERAAAAAAQAAMHGB1Lgan0rsBQAAIMGB1Lgan0rsBHGA9AAEAAAAFAAAAUkU6IAAAAAADm

pQ==

-----=_NextPart_000_01BBD265.99315EA0--

Date: Thu, 14 Nov 1996 23:25:19 -0500
From: BordingK@aol.com
To: aprssig@tapr.org
Subject: Re: WinAPRS 1.1.7
Message-ID: <961114232518_1949671662aemout08.mail.aol.com>

MARK:

Does 1.1.7 also fix the problem with WINAPRS not sending Peet Bros Wx (U-2000) packets, even tho it sees them when in your Window/Terminal/WX mode?

I had to go back to DOS APRS to get my weather station on the air. As I have said before, even the Tech Support Guy at Peet Bros says they have been unable to get WINAPRS up with their U-2000 despite numerous attempts.

WinAPRS Documentations says it should work, does it now?

de KF4COH
Ken in Jax

Date: Fri, 15 Nov 1996 00:14:51 -0500
From: Gary Arnold <garnold@naples.net>
To: aprssig@tapr.org
Subject: Re: WinAPRS 1.1.7
Message-ID: <328BFC4B.2B99@naples.net>

BordingK@aol.com wrote:

>

> MARK:

>

> Does 1.1.7 also fix the problem with WINAPRS not sending Peet Bros Wx

> (U-2000) packets, even tho it sees them when in your Window/Terminal/WX
mode?
>
> I had to go back to DOS APRS to get my weather station on the air. As I
have
> said before, even the Tech Support Guy at Peet Bros says they have been
> unable to get WINAPRS up with their U-2000 despite numerous attempts.
>
> WinAPRS Documentations says it should work, does it now?
>
> de KF4COH
> Ken in Jax

Don't know about the Peet...but 1.1.6 and 1.1.7 have been working well
with the Davis...at least temp, wind dir/speed, and barometer. No rain
measurements yet on the air, but it registers on the screen.

73, Gary

--

Gary Arnold, CEM
Collier County Emergency Management
E-mail: garnold@naples.net
Packet: wb2wpa@wb2wpa.#nap.fl.usa.noam

EM home page: "<http://www.naples.net/govern/county/emrgmgt/zccem1.htm>"
My home page: "<http://www.naples.net/govern/county/emrgmgt/garnold.htm>"

"It doesn't matter what temperature a room is, it's always room
temperature."

--Steven Wright, peripheral visionary

Date: Thu, 14 Nov 1996 20:56:20 -0600
From: "David W. McNeil" <ki5vm@flash.net>
To: aprssig@tapr.org
Subject: Re: Unwarranted/unwanted attachments!
Message-ID: <328BDBD3.5595@flash.net>

Jim Duncan wrote:

>

> Gentlemen (and ladies)....

>

> Please remember that it is totally inappropriate to completely quote someone

> else's posting except in the circumstance that a quotation is proper to make

> a point.

Mr. Duncan:

The point and intent of this post was to forward this message, in it's complete context, to another person, to be exact, Mr.Don Cole KJ5JY for his information. To be kept as reference pertaining to Garmin and APRS. The post was set as deferred mail and the address line, inadvertantly or unfortunately did not or was not changed, henceforth it was sent back to the sig by mistake.

> ALSO.....

>

> It is completely inappropriate to waste the bandwidth and the on-line time
> of the rest of the members of the SIG to attach "cute little GIF files"
> which get stored on everybody's hard drive without at least making the
> availability known and asking if anyone REALLY would like to have them first!

Mr. Duncan:

Thank you for your comment. I would inform you that the day's have long since passed in which I could have been reffered to as someone without a proper knowledge of "Netiquette". May I refer you to your "ALSO" above, you don't have to shout.

The "cute little gif file" again was intended for and to Mr. Don Cole who collects and sends them via e-mail to his 70+ year old mother in Florida. She enjoys them so.

I use them as a "signature" in my "private posts'", unlike some "10 line asterik

boxed autobiography", or "super sized ascii "call sign" type signature files I have seen on this SIG.

I will make the availability known... This is a standard animated gif format file.

Since for whatever reason it is now on the SIG, if you are using Netscape, place the mouse cursor on the center of the line containing the "puppy" and press the right mouse button. Select save file and

place in the directory of your choice.

Now Mr. Duncan you can have your very own "cute little puppy".

> (I have received three messages like this this evening alone! I'm SO glad
> that I spend \$140.00 per month for ISDN telephone service plus an
additional
> \$29.95 for ISDN Internet access through my ISP just so I can watch have my
> very own copy of a "cute little puppy" playfully hopping back and forth
> across my monitor.)

Mr. Duncan:

As you can probably see, I didn't send the other two.

Where did you obtain your ISDN service at such a low rate. I wasn't that
lucky, It costs me more than that here in Texas.

If I had something on my screen I didn't want I'd use my "delete"
function.

You can find your's by reading the Help File that came with your
browser.

If you can't find it.. unsubscribe or get a larger capacity hard drive..
They're so inexpensive nowadays.

> IN A NUTSHELL: STOP IT! (or at LEAST have the courtesy to ask before
you
> send...) Hey....For all I know that cute, little puppy could be a virus
in
> disguise.

Mr. Duncan:

I understand.

Now, If you did, you'd know that, number one, your'e "shouting" again,
and number two,
unlike a .bat, .exe, .com, or .zip file, that you would not or could not
pick up a "virus" from an uncompressed and uncontaminated graphics
format file.

> This is NOT cool. This is ALSO not the way to introduce yourself to the
> APRS SIG.....

Mr. Duncan:

Excuse me?? I don't believe That I am introducing myself to the SIG, or

for that matter, trying to be cool. I check the SIG every day, but I never reply to anyone's post unless I have the proper information to pass on regarding their inquiry.
Check your archives...

> 73 de Jim, KU0G
> Chairman/Coordinator
> Kansas City APRS Working Group
> EMail: ku0g@kcaprs.com
> EMail: ku0g@sprynet.com

Dear SIG:

Please excuse the unfortunate error which caused the original post, (with the addition of the "cute little puppy",) which upset Mr. Duncan so, to be repost back to the SIG.

73 de Dave KI5VM

Date: Fri, 15 Nov 96 06:38:48 GMT
From: clark@atomcat.gsfc.nasa.gov (Tom Clark -- W3IWI)
To: aprssig@tapr.org
Subject: Re: APRS, DPGS, etc.
Message-ID: <592@atomcat.gsfc.nasa.gov >

Stevech (Hey guys -- add your call to either your From: or signature!) asked Gerry (N5JXS) about the DGPS beacons. Since (as far as I know) I'm the only amateur DGPS generator, let me answer. Here in the Baltimore/Washington area, the W3IWI-13 DGPS sends out differential corrections once per 20 seconds.

The DGPS signals are generated by a professional (Trimble 4000SSE) dual-frequency GPS receiver operating on one of the many antenna ports associated with the GODE IGS GPS facility. The DGPS bits come out of the professional "toys" and poke into a strictly amateur setup on the local 145.79 APRS net. The signals are relayed thry WIDE,WIDE and cover the entire Chesapeake Bay area, plus parts of SNJ, EPA, NoVA and WVA. Your TNC provides the DGPS data in a format similar to that coming out of a Coast Guard (~300 kHz) or commercial FM broadcast subcarrier (like DCI or ACQUPOINT) source. The local users report it provides corrections at the few meter level and that velocities reported by their GPS receivers are MUCH more accurate.

I presume Gerry's idea is to tap the "sponsored" DGPS signals at the RS232 level and do the same thing at Cow College!

Regarding the questions on legality: All of our packet radio "beacons" are subject to the same question! The FCC has been mute on the topic for several years. If they were to be asked formally, they would either say "you amateurs are supposed to be self enforcing. We have no opinion", or they would say "Now that you bring it up, a lot of your activities are not covered by the rules and hence are not legal". The moral of the story is "DON'T ASK!!!"

73 de Tom, W3IWI

Date: Fri, 15 Nov 1996 03:22:34 -0500
From: "Theodore A. Antanaitis" <tedant@pipeline.com>
To: aprssig@tapr.org
Subject: HELP-UTM Grid to LAT/LON Conversion
Message-ID: <1.5.4.16.19961115082234.31970da2@pop.pipeline.com>

HELP!

I am trying to improve the precision of a program which converts UTM Grid X-Y coordinates to latitude/longitude values.

The mapping program I have put together does a good job on the conversions to latitude but not on the conversions to longitude. I am getting conversion errors of up to 4 seconds of longitude.

Is there a formula, algorithm, or look-up table available for this conversion that I can incorporate into my program? Are any reference texts available? I am currently using a routine based on straightforward trigonometry with a linear error correction derived from reference points.

The source UTM data that I am using is from the 1:2,000,000 Scale USGS DLG CDROM Mastered 7/95. (This CD does not contain any LAT/LON based DLG files)

Any help would be appreciated.

Ted Antanaitis WA7ZZB

Date: Fri, 15 Nov 1996 09:03:06 -0500
From: SWeigold@aol.com
To: aprssig@tapr.org
Subject: Re: [BitBucket] Approximately 100.00 US dollar GPS receiver
Message-ID: <961115090304_349898871aemout14.mail.aol.com>

Here is a copy of an email I got from one of the other lists I subscribe to... Any comments?
Steve KF8KI

In a message dated 96-11-15 01:48:45 EST, you write:

> Subj: [BitBucket] Approximately 100.00 US dollar GPS receiver
> Date: 96-11-15 01:48:45 EST
> From: eac@shore.net (Eric A. Cottrell)
> Sender: owner-bitbucket@lists.primenet.com
> To: amsat-bb@amsat.org, bitbucket@lists.primenet.com
>
> Hello,
>
> It was bound to happen sooner or later. Today I got an ad from
> DeLorme for Street Atlas 4.0 and in the flyer they had a page on
> their Tripmate package.
>
> Tripmate is the Street Atlas 4.0 CDROM with a GPS receiver!
> The shock was that as an upgrade special SA 4.0 was
> 25 dollars and Tripmate (SA 4.0 plus GPS receiver) was
> 125 dollars!
>
> While shopping at my local Microcenter I saw a returned one for
> 130 so I bought it. Microcenter's regular price was 150.
>
> The documentation says that it can only be used with SA 4.0.
> The SA 4.0 CD also has MapnGo 2.0 drivers for the unit.
> It takes 4 AA batteries. Specs say it is a 12 channel L1 C/A-code
> receiver (most likely multiplexing two real channels) using
> NMEA-0183 protocol. There is just a serial cable coming out
> of the box and there are no controls on unit.
>

> It is a small yellow oddly shaped plastic box. The bottom comes
> off to reveal a battery holder on one half and a metal plate
> covering the electronics with glyptol covered screws on the
> other half. The manual mentions a power adapter kit for
> powering the GPS receiver through the cigarette lighter
> or laptop. It uses a patch antenna on the top of the
> unit. No external antenna connector.
>
> I have not gotten a chance to power it up and it is too
> soon to break the seals on the screws. But I am going
> to hook this puppy up to a comm analyzer because I
> got a feeling that this unit may be useful for stuff like
> that dreaded ARPS (Amateur Radio Position Service).
>
> I would think that it would have a "power" switch either
> through software or by using a handshake line on the
> serial port. Otherwise the batteries would go flat after
> a few hours. The manual also mentions that the
> SA 4.0 program can send a initial position to the
> tripmate.
>
> I will let you know when I got further information.
>
> 73 Eric eacashore.net
>
> -----
> Submissions: bitbucket@primenet.com
> Administrative requests: majordomo@primenet.com
> WWW: http://www.primenet.com/~ke7gh
> Questions: owner-bitbucket@primenet.com
>

Date: Fri, 15 Nov 1996 09:15:46 -0500
From: Mark Sproul <sproul@ap.org>
To: aprssig@tqpr.org
Subject: Re: WinAPRS 1.1.7
Message-ID: <v03007802aeb22b7172d1a[165.1.27.20]>

>MARK:
>

>Does 1.1.7 also fix the problem with WINAPRS not sending Peet Bros Wx
>(U-2000) packets, even tho it sees them when in your Window/Terminal/WX
mode?
>
>I had to go back to DOS APRS to get my weather station on the air. As I
have
>said before, even the Tech Support Guy at Peet Bros says they have been
>unable to get WINAPRS up with their U-2000 despite numerous attempts.
>

Yes, Version 1.1.7 fixes the U-2000 bug that appeared in 1.1.6.

Mark

Mark Sproul	Amateur Radio: KB2ICI
Software Engineer @ Assoc Press	
sproul@ap.org	Work: 609-860-7120
North Brunswick, NJ	Fax: 609-860-7129
http://msproul.rutgers.edu/	

Date: Fri, 15 Nov 1996 10:10:19 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: New WX format?
Message-ID: <Pine.GS0.3.95.961115100653.26295C-100000@arctic>

In IOWA, there appears to be someone transmitting WX bulletins that is
trashing some peoples screens. Anyone got a handle on this and can help
Larry?

On Thu, 14 Nov 1996, Larry Keeran wrote:

> This is copy from my BL140201.LOG file tonight. The text scrolls up the =
map
> and obscures it. I looked in my settings and C F J was on. The map did=

n't

```
> scroll, just the one line text kept going up....
>=20
> W0BXR-2 140116=20
> =83NNNNZCZC DSMTRCID
> W0BXR-2 140116=20
> =C5=80SXUS90 KWBC 140605
> W0BXR-2 140116=20
> SPECI KCID 140605Z 00000KT 3SM BR CLR 12/12 A3007 RMK A02=3D
> W0BXR-2 140139=20
> =83NNNNZCZC DSMTRIOW
> W0BXR-2 140139=20
> =C5=80SXUS90 KWBC 140626
> W0BXR-2 140139=20
> SPECI K1OW 140626Z AUTO 00000KT 1SM BR CLR 12/11 A3007 RMK A0
```

Date: Fri, 15 Nov 1996 10:25:55 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Approximately 100.00 US dollar GPS receiver (fwd)
Message-ID: <Pine.GS0.3.95.961115102457.26295E-100000@arctic>

----- Forwarded message -----

From: "Eric A. Cottrell" <eac@shore.net>
To: amsat-bb@amsat.org, bitbucket@lists.primenet.com
Subject: Approximately 100.00 US dollar GPS receiver

It was bound to happen sooner or later. Today I got an ad from DeLorme for Street Atlas 4.0 and in the flyer they had a page on their Tripmate package.

Tripmate is the Street Atlas 4.0 CDRom with a GPS receiver!
The shock was that as an upgrade special SA 4.0 was
25 dollars and Tripmate (SA 4.0 plus GPS receiver) was 125 dollars!

The documentation says that it can only be used with SA 4.0.
The SA 4.0 CD also has MapnGo 2.0 drivers for the unit.
It takes 4 AA batteries. Specs say it is a 12 channel L1 C/A-code
receiver (most likely multiplexing two real channels) using

NMEA-0183 protocol. There is just a serial cable coming out of the box and there are no controls on unit.

It is a small yellow oddly shaped plastic box. The bottom comes off to reveal a battery holder on one half and a metal plate covering the electronics with glyptol covered screws on the other half. The manual mentions a power adapter kit for powering the GPS receiver through the cigarette lighter or laptop. It uses a patch antenna on the top of the unit. No external antenna connector.

I have not gotten a chance to power it up and it is too soon to break the seals on the screws. But I am going to hook this puppy up to a comm analyzer because I got a feeling that this unit may be useful for stuff like that dreaded ARPS (Amateur Radio Position Service).

I would think that it would have a "power" switch either through software or by using a handshake line on the serial port. Otherwise the batteries would go flat after a few hours. The manual also mentions that the SA 4.0 program can send a initial position to the tripmate.

I will let you know when I got further information.

73 Eric eac@shore.net

Date: Fri, 15 Nov 1996 08:00:18 -0800
From: Tyler Parsons <parsont@peak.org>
To: aprssig@tapr.org, aprssig@tapr.org
Subject: Re: HELP-UTM Grid to LAT/LON Conversion
Message-ID: <2.2.32.19961115160018.0068556c@peak.org>

At 01:27 AM 11/15/96 -0600, Theodore A. Antanaitis wrote:
>HELP!

>

>I am trying to improve the precision of a program which converts UTM Grid
>X-Y coordinates to latitude/longitude values.

>
>The mapping program I have put together does a good job on the conversions
>to latitude but not on the conversions to longitude. I am getting
conversion
>errors of up to 4 seconds of longitude.

>
[snip]

>Ted Antanaitis WA7ZZB

>
>

This may be overkill, but there is a program by the US Corps of Engineers
named CORPSCON (surprise!) which does multiple geodetic conversions using
the National Geodetic Survey geodetic modelling conversions, plus others.
It will convert UTM to Lat/Long, and I think will do batch processing.

The program is available by ftp at
/survey1.tec.army.mil/pub/software/corpscon.410/v41xzip.exe (for everything,
all 3.3Meg)

If you don't need vertical conversions, and want a much smaller download,
get
everything in the directory EXCEPT v41xzip.exe, and vertcon*.*.

This covers CONUS, Puerto Rico/Virgin Islands, and Hawaii. If the
CONUS.*,PRVI.*,
and HAWAII.* files are not in v41xzip.exe, get the *.LAS and *.LOS files
separately. Alaska is one directory up and under corpscon.alask/. The UTM
may
not need the *.LOS and *.LAS files.

You may also be able to get the source code from the COE, I'm not sure.

Good Luck!

Tyler Parsons PLS
WB7DDL USMA '68
parsont@peak.org
<http://www.peak.org/~parsont/>

"In the beginning the Universe was created. This has made a lot of
people very angry and been widely regarded as a bad move." Douglas Adams

Date: Fri, 15 Nov 96 08:21:12 PST
From: dougwe@accintnet.wrq.com
To: aprssig@tapr.org
Subject: Re: [Q] KPC-3
Message-ID: <9610158480.AA848075022@accintnet.wrq.com>

ROM V6.0 includes GPS support.

Doug
K7IP

Hi I have a KPC-3 and wanted to know what is the newest ROM version. I have 5.1 and it doesn't seem to have the APRS mode.

Thanks,
Ben

Date: Fri, 15 Nov 1996 09:02:47 -0800
From: Steve Boyle <sboyle@netcom.com>
To: aprssig@tapr.org
Subject: Re: Approximately 100.00 US dollar GPS receiver (fwd)
Message-ID: <328CA237.1BEA@netcom.com>

Bob Bruninga wrote:

>

> ----- Forwarded message -----

> From: "Eric A. Cottrell" <eac@shore.net>

> To: amsat-bb@amsat.org, bitbucket@lists.primenet.com

> Subject: Approximately 100.00 US dollar GPS receiver

>

> I have not gotten a chance to power it up and it is too

> soon to break the seals on the screws. But I am going

> to hook this puppy up to a comm analyzer because I

> got a feeling that this unit may be useful for stuff like

> that dreaded ARPS (Amateur Radio Position Service).

What does he mean by "that dreaded ARPS"! APRS is the most interesting use of amateur packet I have seen. This guy better wakeup! =;)

Steve
KD6WXD

Date: 15 Nov 1996 17:10:00 +0000
From: "X.400_Mail_Gateway" <X400Postmaster@resonet.com>
To: aprssig@tapr.org
Subject: Delivery-Report (failure) for
Message-ID: <ADMD=TELECOM.CANADA/C=CA/;SNGA-7562-4900@resonet.com>

--Fri Nov 15 12:17:45 1996 L1 9

This report relates to your message: (91)APRSSIG:6...

Your message was not delivered to:
/DD.ID=john.langtry/O=RESONET/ADMD=TELECOM.CANADA/C=CA/@resonet.com
for the following reason:
Transfer could not be initiated
An invalid message parameter was encountered

The Original Message is not available

--Fri Nov 15 12:17:45 1996 L1 9
content-type: message-delivery-status

Reporting-MTA: x400; mta MTA-1 in /PRMD=(null)/ADMD=TELECOM.CANADA/C=CA
Arrival-Date: 15 Nov 1996 17:10:00 +0000
DSN-Gateway: dns; resonet.com
X400-Conversion-Date: 15 Nov 1996 12:17:45 -0500
Original-Envelope-Id:
[/PRMD=RESONET/ADMD=telecom.canada/
C=ca/;<Pine.GS0.3.95.961115100653.2629]
X400-Content-Identifier: (91)APRSSIG:6...
X400-Content-Type: P2-1984 (2)

Original-Recipient: rfc822; /DD.ID=john.langtry/O=RESONET/
ADMD=TELECOM.CANADA/C=CA/@resonet.com

Final-Recipient: x400; /DD.ID=john.langtry/O=RESONET/ADMD=TELECOM.CANADA/
C=CA/

Action: failure

Status: 5.5.2

Diagnostic-Code: x400; 1 (Unable-To-Transfer) / 11 (Invalid-Parameters)

X400-Last-Trace: 15 Nov 1996 17:10:00 +0000

X400-Originally-Specified-Recipient-Number: 1

--Fri Nov 15 12:17:45 1996 L1 9--

Date: Fri, 15 Nov 1996 11:44:53 -0600

From: "John B. Leonard, Jr" <jleonard@tbcnet.com>

To: aprssig@tapr.org

Subject: Re: New WX format?

Message-ID: <1.5.4.32.19961115174453.006b30c0@tbcnet.com>

I think it was W0BXR-2. Everytime it xmitted WX info, my screen went into
line feed mode. I had to BUDLIST it out, which cured the prob.

jbl

At 09:08 11/15/96 -0600, you wrote:

>In IOWA, there appears to be someone transmitting WX bulletins that is
>trashing some peoples screens. Anyone got a handle on this and can help
>Larry?

>

>On Thu, 14 Nov 1996, Larry Keeran wrote:

>

>> This is copy from my BL140201.LOG file tonight. The text scrolls up the=
map

>> and obscures it. I looked in my settings and C F J was on. The map=
didn't

>> scroll, just the one line text kept going up....

>>=20

>> W0BXR-2 140116=20

>> =83NNNNNZCZC DSMMTRCID

>> W0BXR-2 140116=20

>> =C5=80SXUS90 KWBC 140605

>> W0BXR-2 140116=20

>> SPECI KCID 140605Z 00000KT 3SM BR CLR 12/12 A3007 RMK A02=3D
>> W0BXR-2 140139=20
>> =83NNNNZCZC DSMMTRIOW
>> W0BXR-2 140139=20
>> =C5=80SXUS90 KWBC 140626
>> W0BXR-2 140139=20
>> SPECI KIOU 140626Z AUTO 00000KT 1SM BR CLR 12/11 A3007 RMK A0
>

J Barry Leonard/N9VJQ DeKalb IL E-MAIL: jleonard@tbcnet.com=20
WWW Home Page <http://tbcnet.com/~jleonard/leonard.htm>
American Red Cross Disaster Services - DeKalb Co Chapter

Date: 15 Nov 96 13:06:52 EST
From: Mike Musick <71301.3106@CompuServe.COM>
To: <aprssig@tapr.org>
Subject: Re: Digitizing with a MAC
Message-ID: <961115180651_71301.3106_FHJ52-1@CompuServe.COM>

To Dennis and Dan -

<blush!> Appreciate the kudos, guys! Makes the effort worth it, you know.

I completely missed that Alex's query was for a Mac. (Like... uh... duh, it was in the header!) I s'pose that I was thrown off by the DL-land call. We have to bear in mind that MacDLG will only work for US locations, because it relies entirely on public-domain map data supplied by our government.

I was contemplating going world-wide with DOD's "Digital Chart of the World" data, but found it way too coarse and the data format arcane and overly complex given the result. My objective, anyway, was to fill a need for local, detailed maps, since my particular APRS niche is public service (local events) and foxhunting/RDF.

There was a "micro" release (v1.05) at the ARRL Convention which I keep

forgetting to package for upload to the TAPR server. It fixed a couple of minor bugs and allowed the wide lines feature to be selectable.

A serious effort is under way to completely redo the optimization routines, although it has been waylaid over the past two months due to a big project push at work. With Keith Sproul's help, I was able to determine that MacDLG was actually not optimizing vectors as well as it should, and that the process could be much, much, MUCH more efficient. Preliminary tests say that we should see a 10X improvement in optimization time and maybe another 5-10% reduction in map file size.

I'm also looking at the possibility of user redesignation of road typing through a selection list which is reviewed after optimization. In other words, a US40 or a State Route 79 may actually be a freeway, but they get "mis-typed" because there's no "limited access" subcoding in the DLG data (only in TIGER). Another related feature, though low on the list, is the ability for the user to select the Mac/WinAPRS color for each line category. The palettes have been built, but I've got to get my head clear first about using resource-based pop-up menus.

Something else on the "hot" list is the ability to take a raw GPS data stream from data captured during a route drive and allow it to be added to an existing map. The only qualm I have about this is editability - even my best-intended driving efforts to trace a particular route end-up with a wrong turn somewhere!
<g!>

Political boundaries (borders) are on the long list, but line subtyping has proved vexing. I'm not happy with the tests so far, so until there is an epiphany about determining the line categories, I'm not inclined to draw boundary lines. There's a lot of specious data (for example, a city park here is somehow defined as a political area) so they really clutter maps with

meaningless vectors if you let everything fly.

Due to work and "life" commitments I can't begin to project availability of v2.0, but cross your fingers and there might be something new out during the winter.

Again, thanks, guys.

...mike/N0QBF

Date: Fri, 15 Nov 96 12:18:09 -0500
From: schiers@ames.net
To: aprssig@tapr.org
Subject: Re: WinAPRS 1.1.7
Message-ID: <199611151819.MAA03559@tapr.org>

In <888463abbs.ames.net>, on 11/15/96 at 08:23 AM,
aprssig@tapr.org said:

>>MARK:

>>

>>Does 1.1.7 also fix the problem with WINAPRS not sending Peet Bros Wx
>>(U-2000) packets, even tho it sees them when in your Window/Terminal/WX
mode?

>>

>>I had to go back to DOS APRS to get my weather station on the air. As I
have

>>said before, even the Tech Support Guy at Peet Bros says they have been
>>unable to get WINAPRS up with their U-2000 despite numerous attempts.

>>

>Yes, Version 1.1.7 fixes the U-2000 bug that appeared in 1.1.6.

>Mark

I am running wapr 117 as of this morning and it works just fine with my
u-2000. It has worked with every version of wapr I have run, with the
exception of 116, which I never put on. 115 worked as did all my prior

versions, and now, of course, 117. 73,

hasan schiers, NOAN--

schiers@ames.net

End of APRSSIG Digest 769

From aprssig@tapr.org Sat Nov 16 13:06:08 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP
id AA1612 ; Sat, 16 Nov 96 12:24:06 UTC
Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id MAA28690; Sat, 16 Nov 1996 12:31:59 -0600
(CST)
Date: Sat, 16 Nov 1996 12:31:59 -0600 (CST)
Message-Id: <199611161831.MAA28690@tapr.org>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6450] APRSSIG digest 770
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Status: R

APRSSIG Digest 770

Topics covered in this issue include:

- 1) Re: KPC-3 on a boatride
by schiers@ames.net
- 2) Re: Approximately 100.00 US dollar GPS
by Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
- 3) Re: APRS, DPGS, etc.
by Gerald J Creager <gerry@cs.tamu.edu>
- 4) Re: HELP-UTM Grid to LAT/LON Conversion

- by Gerald J Creager <gerry@cs.tamu.edu>
- 5) Re: WinAPRS 1.1.7
by schiers@ames.net
- 6) Re: New WX format?
by henryvb <henryvb@adpliv.com>
- 7) Re: New WX format?
by Tom Weeden <tcweeden@execpc.com>
- 8) Seattle APRS
by Don Hilman <hilman@camosun.bc.ca>
- 9) New Callsigns on N2CHV digis
by Mark Humphrey <mark@y100.com>
- 10) Re: New WX format?
by "John W.(Bill) Hays - w0omv" <billh@netins.net>
- 11) Re: Seattle APRS
by ddobbins@juno.com (David S Dobbins)
- 12) Delivery-Report (failure) for
by "X.400_Mail_Gateway" <X400Postmaster@resonet.com>
- 13) Re: New WX format?
by "John B. Leonard, Jr" <jleonard@tbcnet.com>
- 14) Re: WinAPRS 1.1.7
by Geoff Peacock <geoff@maf.mobile.al.us>
- 15) Re: Approximately 100.00 US dollar GPS receiver (fwd)
by SWeigold@aol.com
- 16) Mouse Problem 77d
by mark.endicott@nashville.com
- 17) Help needed remote WxSta setup
by "Don Murray" <james-m@ix6.ix.netcom.com>
- 18) message archives
by Floyd Rodgers <frodgers@netcom.com>
- 19) WinAPRS Mapmaking (was: Digitizing with a MAC)
by Arte Booten <N2ZRC@gnn.com>
- 20) Delorme Tripmate additional information
by "Eric A. Cottrell" <eac@shore.net>
- 21) Re: Mouse Problem 77d
by Jim Duncan <ku0g@sprynet.com>
- 22) Re: Seattle APRS
by philkeys@olympus.net (Phil Keys)
- 23) MSCAT Saturday nite-Sunday morning
by Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
- 24) killer mail
by rbost@itexas.net (Roy Bost)
- 25) Re: killer mail
by "THOM PROEHL" <tmproehl@nwlink.com>

Date: Fri, 15 Nov 96 12:30:46 -0500
From: schiers@ames.net
To: aprssig@tapr.org
Subject: Re: KPC-3 on a boatride
Message-ID: <199611151831.MAA04544@tapr.org>

In <885681abbs.ames.net>, on 11/13/96 at 10:06 PM,
aprssig@tapr.org said:

>Crew:

> Capt. W30KB
> 1st Mate N3WUJ
> Sysop/Nav AA3NM
> Galley W30KB/XYL

Thanks for sharing the story. Most interesting and informative. 73,

hasan schiers, N0AN--

schiers@ames.net

Date: Fri, 15 Nov 1996 12:36:29 -0600
From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
To: aprssig@tapr.org
Subject: Re: Approximately 100.00 US dollar GPS
Message-ID: <v03007803aeb213022b2a@138.87.2.109>

On Fri, 15 Nov 1996 11:11 Steve Boyle wrote:

>> got a feeling that this unit may be useful for stuff like
>> that dreaded ARPS (Amateur Radio Position Service).
>

>What does he mean by "that dreaded ARPS"! APRS is the most interesting
>use of amateur packet I have seen. This guy better wakeup! =;)

Last night I had a situation that may explain the concept:

- A new packeteer

- A new TNC
- A new PC
- A presently installed TNC software package.

He installed APRS and said "it" was too complicated. He said "APRS was..."

We have to judge each condition separately and compare the level of expertise, not that it takes experts for APRS, in order to see if the complaint is the whole computer thing or the software package.

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/\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\
  Larry M. Keeran K9ORP   IS Data Processing Equip Tech  k9orp@amsat.org
  EC McLean Co-CIPRUS,Inc-PresCIRC-VP QCWA-Life ARRL-APRSM-APRS-TAPR#762
  /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\ /\

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Date: Fri, 15 Nov 1996 16:12:02 -0600 (CST)
 From: Gerald J Creager <gerry@cs.tamu.edu>
 To: aprssig@tapr.org
 Subject: Re: APRS, DPGS, etc.
 Message-ID: <199611152212.QAA12248@solar.cs.tamu.edu>

Tom Clark -- W3IWI sez:

>
>

> Stevech (Hey guys -- add your call to either your From: or signature!)
 > asked Gerry (N5JXS) about the DGPS beacons. Since (as far as I know) I'm
 > the only amateur DGPS generator, let me answer. Here in the Baltimore/
 > Washington area, the W3IWI-13 DGPS sends out differential corrections
 > once per 20 seconds.

I think this one was in MIME, and I've not gone to the system that supports it yet, to read it...

> The DGPS signals are generated by a professional (Trimble 4000SSE) dual-
 > frequency GPS receiver operating on one of the many antenna ports
 associated
 > with the GODE IGS GPS facility. The DGPS bits come out of the professional

> "toys" and poke into a strictly amateur setup on the local 145.79 APRS net.
> The signals are relayed thry WIDE,WIDE and cover the entire Chesapeake Bay area, plus parts of SNJ, EPA, NoVA and WVA. Your TNC provides the DGPS data in a format similar to that coming out of a Coast Guard (~300 kHz) or commercial FM broadcast subcarrier (like DCI or ACQUPOINT) source.
> The local users report it provides corrections at the few meter level and that velocities reported by their GPS receivers are MUCH more accurate.

Similar to what I waht to do... 'Cept I doubt I'll cover the Chesapeake Bay very well...;-)

> I presume Gerry's idea is to tap the "sponsored" DGPS signals at the RS232 level and do the same thing at Cow College!

since I'm the "sponsoring authority" (it's OK to cringe, Tom) that will be pretty easy. We're using it for AVL applications on commercial UHF, in a 17-county scenario, and the local Municipal Planning Org. will now use the RTCM outputs for their mapping and geocoding, too. I intend to do a WIDE,RELAY scema here, since we don't have WIDE,WIDE coverage around here reliably. I'll be checking on that and WIDE by itself for best performance.

> Regarding the questions on legality: All of our packet radio "beacons" are subject to the same question! The FCC has been mute on the topic for several years. If they were to be asked formally, they would either say > "you amateurs are supposed to be self enforcing. We have no opinion", or > they would say "Now that you bring it up, a lot of your activities are > not covered by the rules and hence are not legal". The moral of the > story is "DON'T ASK!!!"

Here, hear.

I have also done this extensively for Cows In Space albeit without digipeaters, and have had exemplary success. It isn't too hard to do mechanically/electrically. I just had to pry all the pieces from the hands of folks who thought THEY needed 'em.

An aside: I know it's unlikely, but is anyone else going to GIS-LIS 96 in Denver next week? I've a Wednesday morning "performance" where I'll be doing the Cows In Space song and dance.

Tom, thanks for the leads. We're on our way to UNAVCO membership, I think, and starting to do long baseline work with 1-2 cm closures.

73, gerry
n5jxs

Date: Fri, 15 Nov 1996 16:14:02 -0600 (CST)
From: Gerald J Creager <gerry@cs.tamu.edu>
To: aprssig@tapr.org
Subject: Re: HELP-UTM Grid to LAT/LON Conversion
Message-ID: <199611152214.QAA12335@solar.cs.tamu.edu>

Theodore A. Antanaitis sez:

>
> HELP!
>
> I am trying to improve the precision of a program which converts UTM Grid
> X-Y coordinates to latitude/longitude values.
>
...
> Is there a formula, algorithm, or look-up table available for this
> conversion that I can incorporate into my program? Are any reference texts
> available? I am currently using a routine based on straightforward
> trigonometry with a linear error correction derived from reference points.

Go check on the USGS site for utilities. If memory serves, they have the algorithm for UTM to NAD27 and NAD83. Mind your projections.

73, gerry

--

Gerry Creager N5JXS

Research Assistant, Mapping Sciences Laboratory, Texas A&M University

n5jxs@tamu.edu

gerry@rsgis3.tamu.edu

409.845.9425

"Not an Official Document of Texas A&M or the Mapping Sciences laboratory"

Date: Fri, 15 Nov 96 10:09:50 -0500
From: schiers@ames.net
To: aprssig@tapr.org
Cc: sproul@ap.org
Subject: Re: WinAPRS 1.1.7
Message-ID: <199611152227.QAA06550@tapr.org>

In <886968abbs.ames.net>, on 11/14/96 at 11:49 AM,
aprssig@tapr.org said:

>-----

>Version 1.1.7 - November 14, 1996

>*** Major weather additions. Added configurable display for any station
>that has weather data.

There are some VERY nice features in this:

1. If you select Display Wx Stations Only you get a nice table on the map next to the callsign of the station showing current conditions and the age of the report. (Zoom down some to unclutter the screen)
This is a GREAT feature.

>*** Added Unproto path list, this is a list of the paths that each
>station is using

1. I haven't seen an entry appear in this window yet, and don't have a clue as to what this window is doing. (Program has been running for a couple hours). Any ideas?

>*** Incoming messages to the user now brings up the message window
>automatically.

1. This is a very nice idea as well, but I haven't gotten a message yet, so can't say how it works. Like the idea.

>*** Fixed message window bug that replied to the wrong station unless ALL
>MESSAGES was selected.

1. Thanks. Not tested yet, but a very welcome fix.

>*** Fixed one or two minor memory leaks, this might help with some of the
>crashes that a few users were having.

1. I am up to 32 mb ram now, so not sure what I will see in terms of memory problems. I may not be fit for testing any longer with this much ram on board.

>*** When running dual port TNCs, message acks now go out the right port.

1. A good fix, not tested here yet. (No messages received yet)

>*** When running dual port, the station list now shows properly red/blue
>for HF/VHF stations.

1. Works perfectly and very much enhances the station display in the lists.

Nice bunch of fixes, Mark and the wx enhancements really add a lot. I now have a series of very small windows open to selected parts of the country, just large enough to show the enhanced wx data for a given station. Really adds functionality to the wx stuff, and the AGE report is a GREAT feature. (AGE is the number in RED...how long since the last wx update from that station.

Speaking of weather: Last night, based on the assurances of the NWS, I left Ames for Des Moines to do some training. NWS said, "Don't over-react, not to worry, no precip until after Midnight". HA!

At 5 p.m. the freezing rain started. I left for Ames (normally a 30 minute drive), at 6 p.m. I sat on I-35 just south of Ankeny for an hour and 14 minutes. Drove the rest of the way at 8 mph, and got home 3 hours later after one of the scariest trips I have ever taken. Thankyou NWS, TV-Weather, et al....you all had it VERY WRONG....and by SIX HOURS. Sheesh!

73,

hasan schiers, NOAN

schiers@ames.net

Date: Fri, 15 Nov 1996 17:09:18 -0600
From: henryvb <henryvb@dpliv.com>
To: aprssig@tapr.org
Subject: Re: New WX format?
Message-ID: <328CF7FF.2F9C@dpliv.com>

BobAPR wrote about funky data appearing on 145.790 in the Midwest:

(deleted, cuz u probably read it)

> > W0BXR-2 140139=20
> > SPECI K1OW 140626Z AUTO 00000KT 1SM BR CLR 12/11 A3007 RMK AO
>

The data is being transmitted by W0BXR-2, which is a TNC located at the NWS Davenport office. The data is from the NWS Weather Wire, has been reformatted for packet retransmission, and apparently the radio is set to APRS instead of the packet frequency that it should be on. I have sent the NWS e-mail regarding this problem, recieved no response, and the data still flows. I only see it if the band opens at night, but it must be driving Larry nuts since he is closer than me. I askad Hasan if he knew anybody out there, but he didn't. If there is someone lurking on the sig from Davenport please contact the NWS or someone a Davenport Radio Amateur Club (the call holder) and have them fix it.

Henry
N9WMM
henryvb@dpliv.com

Date: Fri, 15 Nov 1996 17:13:56 -0600 (CST)
From: Tom Weeden <tcweeden@execpc.com>
To: aprssig@tapr.org
Subject: Re: New WX format?
Message-ID: <199611152313.RAA10525@mail.execpc.com>

At 09:08 AM 11/15/96 -0600, you wrote:

>In IOWA, there appears to be someone transmitting WX bulletins that is
>trashing some peoples screens. Anyone got a handle on this and can help
>Larry?

Date: Fri, 15 Nov 1996 19:10:52 -0500
From: Mark Humphrey <mark@y100.com>
To: aprssig@tapr.org
Subject: New Callsigns on N2CHV digis
Message-ID: <328D068C.4698@y100.com>

This weekend, I plan to change the callsigns on the N2CHV-2 and N2CHV-3 WIDE-RELAY digipeaters in eastern PA to reflect my new callsign, KE3XY, which was issued several days ago. The SSIDs at each site will remain the same.

I'm aware that several of you are using these specific callsigns in your UNPROTO paths. After you see the new calls appear on the screen, please change your paths accordingly.

For your convenience, I will retain the old calls as aliases for a few weeks (in addition to WIDE and RELAY), so your packets will still be repeated until you make the changes... However, the MYCALL setting (which functions as legal ID) will be updated, so this won't be very apparent....

73, Mark KE3XY

ex-N2CHV

Date: Sat, 16 Nov 1996 01:07:06 +0000
From: "John W.(Bill) Hays - w0omv" <billh@netins.net>
To: aprssig@tapr.org
Subject: Re: New WX format?
Message-ID: <328D13BA.56C@netins.net>

My DOS/APRS friends tell me all they do is hit the space bar after the WX dta is finished from w0bxr-2 and all is OK.

John B. Leonard, Jr wrote:

>

> I think it was W0BXR-2. Everytime it xmitted WX info, my screen went into
> line feed mode. I had to BUDLIST it out, which cured the prob.

>

> jbl
>
> At 09:08 11/15/96 -0600, you wrote:
> >In IOWA, there appears to be someone transmitting WX bulletins that is
> >trashing some peoples screens. Anyone got a handle on this and can help
> >Larry?
> >
> >On Thu, 14 Nov 1996, Larry Keeran wrote:
> >
> >> This is copy from my BL140201.LOG file tonight. The text scrolls up
the map
> >> and obscures it. I looked in my settings and C F J was on. The map
didn't
> >> scroll, just the one line text kept going up....
> >>
> >> W0BXR-2 140116
> >> YNNNNNZCZC DSMTRCID
> >> W0BXR-2 140116
> >> ÅSXUS90 KWBC 140605
++++++
73,
Bill

Date: Fri, 15 Nov 1996 17:34:21 PST
From: ddoobbins@juno.com (David S Dobbins)
To: aprssig@tapr.org
Subject: Re: Seattle APRS
Message-ID: <19961115.173329.4455.3.ddoobbins@juno.com>

Seattle APRS is on 145.79 and growing strong. Hope to have a well placed
WIDE in the near future. Next APRS demo will be Dec 7th, 0900, BEARS
monthly meeting in Kent.

David S. Dobbins/WH6YC
Greater Northwest APRS Coordinator
(Montana, Idaho, Oregon, Washington)
(360) 291-3707
ddoobbins@juno.com

Date: 16 Nov 1996 02:04:00 +0000
From: "X.400_Mail_Gateway" <X400Postmaster@aresonet.com>
To: aprssig@tapr.org
Subject: Delivery-Report (failure) for
Message-ID: <ADMD=TELECOM.CANADA/C=CA/;UNGA-8392-4900@aresonet.com>

--Fri Nov 15 21:11:37 1996 L1 44

This report relates to your message: (91)APRSSIG:6...

Your message was not delivered to:

/DD.ID=john.langtry/O=RESONET/ADMD=TELECOM.CANADA/C=CA/@aresonet.com
for the following reason:
Transfer could not be initiated
An invalid message parameter was encountered

The Original Message is not available

--Fri Nov 15 21:11:37 1996 L1 44
content-type: message-delivery-status

Reporting-MTA: x400; mta MTA-1 in /PRMD=(null)/ADMD=TELECOM.CANADA/C=CA
Arrival-Date: 16 Nov 1996 02:04:00 +0000
DSN-Gateway: dns; resonet.com
X400-Conversion-Date: 15 Nov 1996 21:11:37 -0500
Original-Envelope-Id:
[/PRMD=RESONET/ADMD=telecom.canada/C=ca/;<328D13BA.56C@netins.net>]
X400-Content-Identifier: (91)APRSSIG:6...
X400-Content-Type: P2-1984 (2)

Original-Recipient: rfc822; /DD.ID=john.langtry/O=RESONET/
ADMD=TELECOM.CANADA/C=CA/@aresonet.com
Final-Recipient: x400; /DD.ID=john.langtry/O=RESONET/ADMD=TELECOM.CANADA/
C=CA/
Action: failure
Status: 5.5.2
Diagnostic-Code: x400; 1 (Unable-To-Transfer) / 11 (Invalid-Parameters)
X400-Last-Trace: 16 Nov 1996 02:04:00 +0000
X400-Originally-Specified-Recipient-Number: 1

--Fri Nov 15 21:11:37 1996 L1 44--

Date: Fri, 15 Nov 1996 20:04:59 -0600
From: "John B. Leonard, Jr" <jleonard@tbcnet.com>
To: aprssig@tapr.org
Subject: Re: New WX format?
Message-ID: <1.5.4.32.19961116020459.006b59c4@tbcnet.com>

But with the BUDLIST method, my TNC doesn't even send it to the computer.
And hitting the space bar means you're forcing a redraw of the screen. =20

jbl

At 19:11 11/15/96 -0600, you wrote:

>My DOS/APRS friends tell me all they do is hit the space bar after the=20
>WX dta is finished from w0bxr-2 and all is OK.

>

>John B. Leonard, Jr wrote:

>>=20

>> I think it was W0BXR-2. Everytime it xmitted WX info, my screen went=
into

>> line feed mode. I had to BUDLIST it out, which cured the prob.

>>=20

>> jbl

>>=20

>> At 09:08 11/15/96 -0600, you wrote:

>> >In IOWA, there appears to be someone transmitting WX bulletins that is

>> >trashing some peoples screens. Anyone got a handle on this and can help

>> >Larry?

>> >

>> >On Thu, 14 Nov 1996, Larry Keeran wrote:

>> >

>> >> This is copy from my BL140201.LOG file tonight. The text scrolls up
the map

>> >> and obscures it. I looked in my settings and C F J was on. The map
didn't

>> >> scroll, just the one line text kept going up....

>> >>

>> >> W0BXR-2 140116

>> >> =9FNNNNZCZC DSMTRCID

>> >> W0BXR-2 140116
>> >> =C5=80SXUS90 KWBC 140605
>++++++
>73,
>Bill
>

J Barry Leonard/N9VJQ DeKalb IL E-MAIL: jleonard@tbcnet.com=20
WWW Home Page <http://tbcnet.com/~jleonard/leonard.htm>
American Red Cross Disaster Services - DeKalb Co Chapter

Date: Fri, 15 Nov 1996 21:01:08 -0600 (CST)
From: Geoff Peacock <geoff@maf.mobile.al.us>
To: aprssig@tapr.org
Subject: Re: WinAPRS 1.1.7
Message-ID: <Pine.SOL.3.91.961115205836.27068B-100000@ans1>

Does the WinAPRS 1.1.7 support WX info transmitted by standalone, remote
Ultimeter 2000's ? I have not had much luck w/ the dos version. We see
the packets but no data shows.

Geoff Peacock
Mobile Area Free-Net, Inc.
-----o00__()__o0o
-
geoff@maf.mobile.al.us (334) 405-4600

On Fri, 15 Nov 1996 schiers@ames.net wrote:

> In <886968@bbs.ames.net>, on 11/14/96 at 11:49 AM,
> aprssig@tapr.org said:
>
> >-----
> >Version 1.1.7 - November 14, 1996
>
> >*** Major weather additions. Added configurable display for any station
> >that has weather data.
>

Date: Fri, 15 Nov 1996 22:26:13 -0500
From: SWeigold@aol.com
To: aprssig@tapr.org
Subject: Re: Approximately 100.00 US dollar GPS receiver (fwd)
Message-ID: <961115222612_1983385736@aemout07.mail.aol.com>

In a message dated 96-11-15 13:49:40 EST, you write:

> What does he mean by "that dreaded ARPS"! APRS is the most interesting
> use of amateur packet I have seen. This guy better wakeup! =;)
>
> Steve
> KD6WXD
>

I asked him that directly... still waiting on a reply!
73
Steve KF8KI

Date: Fri, 15 Nov 96 22:58:35
From: mark.endicott@nashville.com
To: aprssig@tapr.org
Subject: Mouse Problem 77d
Message-ID: <199611160503.XAA16078@tapr.org>

I wonder if anyone has had any experience with the case of the missing mouse?

I just brought an old 486 sx 25 home from the office. It had some kind of unknown terrible video card in it that I have just replaced with a new Diamond SpeedStar 64 2000, 2 Meg Dram, ISA. The mouse cursor has dissapeared from APRS but it is fine with other applications. I have reloaded two other mouse drivers with the same results. When I move the mouse the Lat and Lon display moves accordingly and the Left button shows the "zoom" bar. But there is no mouse cursor on the screen. Is there a new stealth mouse that I don't know about?

Before you say it there is no cat on this machine!

Help Appreciated.....73 Mark (WB0N00)

```
-----  
|                                     \  
|      Mark Endicott                \  
|      P.O. Box 148242              \  
|      Nashville, Tennessee 37214  >  
|      WB0N00                       /  
|      mark.endicott@nashville.com  /  
|-----/
```

Date: Sat, 16 Nov 1996 04:49:28 +0000
From: "Don Murray" <james-m@ix6.ix.netcom.com>
To: aprssig@tapr.org
Subject: Help needed remote WxSta setup
Message-ID: <199611160949.BAA22229@dfw-ix6.ix.netcom.com>

Hello and thanks for reading this..

I am in need of help with setting up my U2000 to operate remotely
(without computer terminal) Aprs with my KPC-3 TNC.

I need the list of TNC commands that I need to send and also need to
know how others have the U2000 connected to the back of the KPC-3
(cabling and such). Do I need to simply go purchase a DB9 to DB25
converter??? It can't be that simple..grin

Thanks for any and all help
Don
AE4BR

Date: Sat, 16 Nov 1996 06:17:22 -0800
From: Floyd Rodgers <frodgers@netcom.com>
To: aprssig@tapr.org
Subject: message archives
Message-ID: <1.5.4.16.19961116081813.348741be@netcom.com>

Are the messages that cross the APRS sig stored anywhere online? I'd like to be able to search them by topic.

PLEASE send replies to:

frodgers@netcom.com (personal) KC5QBC

frodgers@rotarydrill.com (Business)(972)495-8181

A practicing artist of multiple ended candle burning.

Date: Sat, 16 Nov 1996 09:49:30

From: Arte Booten <N2ZRC@gnn.com>

To: aprssig@tapr.org

Subject: WinAPRS Mapmaking (was: Digitizing with a MAC)

Message-ID: <199611161450.JAA02963@mail-e2b.gnn.com>

Hi Mike,

On Fri, 15 Nov 1996 you wrote:

><blush!> Appreciate the kudos, guys! Makes the effort worth
> it, you know.

I can't remember, but I think your program is for MAC,
isn't it? Is there such an animal that'll help us PC-types
make WinAPRS maps from the USGS DLG (Optional format) C-D's? 73

Arte Booten <N2ZRC@gnn.com>

(Packet Radio: N2ZRCaKB2VLX.#BRONX.NY.USA.NA)

[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

... Sensors say there is nothing at those coordinates ...

Date: Sat, 16 Nov 1996 10:59:11 -0400

From: "Eric A. Cottrell" <eac@shore.net>

To: aprssig@tapr.org

Subject: Delorme Tripmate additional information

Message-ID: <848159951-0-eac@shore.net>

Hello,

The unit seems to lock on the satellites reasonably fast. I downloaded the New England area onto my laptop and the moving map display is neat.

I should also mention that this unit does not have any controls on it so it cannot be used for hiking, etc unless you tote another computer along.

I hooked it up to a comm analyzer and played alittle. Communications are 4800 baud using ASCII characters so far. The serial port does not assert handshaking signals so hardware handshaking should not be used.

Power control appears to be the DTR line. Asserting DTR powers up the unit and it sends three NMEA messages (PRWIRID, GPRMC, and PRWIZCH) then keeps sending a non-NMEA formatted character string until it receives a \$IIGPQ message with the character string. I was able to program a function key on the windows terminal to send the string and NMEA sentences poured out of the receiver.

NMEA messages begining with P are reserved for manufactuer's messages. RWI, I believe, is Rockwell International

The II prefix on the computer response message is the NMEA code for Intergrated Instrumentation. I cannot get a listing for what a GPQ message is. The "non-NMEA formatted message" may be a valid way for a device to hand off talking to another unit under NMEA. NMEA only allows one talker at a time.

Some of the NMEA sentences:

PRWIRID seems to contain number of channels, version number and software
 build date RID could be a nmemonic for Receiver ID

PRWIZCH twelve sets of what seems to be satellite PRN and a
 single digit code. Could be a channel status.

GPRMC, GPGSA, GPGGA, GPGSV Standard NMEA fare.

I need to log the output as no doubt almanac and other messages are sent. I also have a Garmin 45 and may set it up so I can log the output of both units and do some comparisons.

Wayne, WA2N/5 mentioned to me:

>Here's a good place for GPS info, NMEA specs and shareware:

> ftp://sundae.triumf.ca/pub/peter/index.html

> Also, check out the newsgroup sci.geo.satellite-nav

The newsgroup currently has discussions on SA 4.0 and Tripmate.

I have used several Delorme products for years. Street Atlas 1.0 was the reason I bought a CDROM Drive. I had a few problems with the software, but it is a great product that keeps getting better.

73 Eric eac@shore.net WB1HBU

Date: Sat, 16 Nov 1996 07:55:54 -0800

From: Jim Duncan <ku0g@sprynet.com>

To: aprssig@tapr.org

Subject: Re: Mouse Problem 77d

Message-ID: <199611161555.HAA25790am1.sprynet.com>

At 23:04 11/15/96 -0600, you wrote:

>I wonder if anyone has had any experience with the case of the missing
>mouse?

>

>I just brought an old 486 sx 25 home from the office. It had some kind of
>unknown terrible video card in it that I have just replaced with a new
>Diamond SpeedStar 64 2000, 2 Meg Dram, ISA. The mouse cursor has
>dissapeared from APRS but it is fine with other applications. I have
>reloaded two other mouse drivers with the same results. When I move the
>mouse the Lat and Lon display moves accordingly and the Left button shows
>the "zoom" bar. But there is no mouse cursor on the screen. Is there a
>new stealth mouse that I don't know about?

>

>Before you say it there is no cat on this machine!

>


```

>                                     Help Appreciated.....73  Mark (WB0N00)
>
>
>  -----
>  |                                     \
>  |           Mark Endicott           \
>  |           P.O. Box 148242         \
>  |           Nashville, Tennessee 37214  >
>  |           WB0N00                  /
>  |           mark.endicott@nashville.com /
>  |-----/
>

```

One of the local users here in KC experienced the same, identical problem with the same type of machine this past week. I told him to EMail the information to Bob....

73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
EMail: ku0g@kcaprs.com
EMail: ku0g@sprynet.com

```

-----
Date: Sat, 16 Nov 1996 08:18:15 -0800 (PST)
From: philkeys@olympus.net (Phil Keys)
To: aprssig@tapr.org
Subject: Re: Seattle APRS
Message-ID: <v01510102aeb31df6fec1a[198.133.237.36]>

```

Hello David

Please let me know when the WIDE gets going. I occasionally run APRS from the South end of Port Townsend Bay but don't see any digipeats.

Phil Keys

```

-----
philkeys@pt.olympus.net (Phil Keys) KJ7ET Jeff Co Search & Rescue
Software Consultant - specializing in software safety & SQA
Port Hadlock, WA 98339-9720 (360) 379-8650 122 44.0W 48 02.0N

```

Date: Sat, 16 Nov 1996 09:50:10 -0800
From: "THOM PROEHL" <tmproehl@nwl.link.com>
To: <aprssig@tapr.org>
Subject: Re: killer mail
Message-ID: <199611161750.JAA27821@montana.nwl.link.com>

I also had the same problem, my ISP flushed my email early this morning and told me that it appeared something from this SIG may be the cause of my problem. This is the 4th time in as many weeks that my email gave me a FATAL ERROR.

Roy - your not alone. But considering the value of this SIG and the number of messages, I will put up with the problem....I have friendly ISP Tech support folks.

Cheers to all,
Thom - kc7fzo

> From: Roy Bost <rbost@itexas.net>
> To: aprssig@tapr.org
> Subject: [APRSSIG:6449] killer mail
> Date: Saturday, November 16, 1996 9:07 AM
>
> I'm having a serious problem with the SIG! When attemp[ting to down load

> my e-mail form my ISP, I'm getting a FATAL ERROR on the message after
> message #6395 (should be 6396?). This message is preventing me from
> downdloading my e-mail and thus has effectively stopped me from receiving
> any e-mail! This has happened before and the only resolution was to have
> my ISP to remove my e-mail account and create a new one (which we will
> probably have to do again today). Would someone on the sig look at the
> message that followed #6395 and see if there was anything unusual about
it?
> Untill my ISP can get my e-mail cleaned out . I will not be able to
> receive any e-mail. Thanks
>
> Roy Bost, N5TAM
> Granbury, Tx.

> rboast@itexas.net
> 32 25' 33"N 97 48' 59"W
>

End of APRSSIG Digest 770

From aprssig@tapr.org Sat Nov 16 19:13:15 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP
id AA1616 ; Sat, 16 Nov 96 18:31:15 UTC
Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id TAA06784; Thu, 14 Nov 1996 19:54:33 -0600
(CST)
Date: Thu, 14 Nov 1996 19:54:33 -0600 (CST)
Message-Id: <Pine.GS0.3.95.961114204551.17300A-100000@arctic>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6403] APRSSIG digest 768
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Content-Type: TEXT/PLAIN; charset=US-ASCII
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Status: R

APRSSIG Digest 768

Topics covered in this issue include:

- 1) DOS APRS in WIN95 in Background!
by Rick Tilton <Nationwide@InfoAve.Net>
- 2) DOS APRS in WIN95 in Background!
by Rick Tilton <Nationwide@InfoAve.Net>
- 3) KPC-3 on a boatride
by Steve Gemeny <sgemeny@access.digex.net>
- 4) Re: APRS and the NWS message #2

- by John M Dombrowski <wendysue@global2000.net>
- 5) Re: KPC-3 on a boatride
by rwf@mindspring.com
- 6) Re: [Fwd: Help on APRS with KAM+]
by Jim Duncan <ku0g@sprynet.com>
- 7) Unwarranted/unwanted attachments!
by Jim Duncan <ku0g@sprynet.com>
- 8) Re: DOS APRS in WIN95 in Background!
by billybobfisher@juno.com (Wm V Fisher)
- 9) Mouse Digitizer
by DE001-IPA <uipdeo01@usiminas.com.br>
- 10) Digitizing with a MAC
by Alessandro Donati <adonati@macpc01.esoc.esa.de>
- 11) Re: Unwarranted/unwanted attachments!
by Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
- 12) Re: Digitizing with a MAC
by dennis@zone5.com (Dennis Hudson)
- 13) Mike Kantor Re: GPS Mount and KPC-3 Manual
by kb5edb@juno.com
- 14) Re: Digitizing with a MAC
by "mail.conknet.com" <kml@conknet.com>
- 15) Re: help needed for CalComp 2500 Digitizer
by Bob Bruninga <bruninga@nadn.navy.mil>
- 16) APRSdos Dozing in WIN95 Background!
by Bob Bruninga <bruninga@nadn.navy.mil>
- 17) Re: Mouse Digitizer
by Bob Bruninga <bruninga@nadn.navy.mil>
- 18) WinAPRS 1.1.7
by Mark Sproul <sproul@ap.org>
- 19) Delivery-Report (failure) for
by "X.400_Mail_Gateway" <X400Postmaster@resonet.com>
- 20) Re: Digitizing with a MAC
by Jim Conrad <jjc@infi.net>
- 21) Re: file transfer question
by Mike Musick <71301.3106@CompuServe.COM>
- 22) KPC-3 Settings
by hfigueroa@juno.com (Hector M Figueroa)
- 23) Re: Cse and Speed
by hfigueroa@juno.com (Hector M Figueroa)
- 24) Re: DOS APRS in WIN95 in Background!
by Arte Booten <N2ZRC@gnn.com>
- 25) Live SF Bay APRS data!
by Steve Boyle <sboyle@netcom.com>

26) ATTN! All map makers
by Bob Bruninga <bruninga@nadn.navy.mil>

Date: Wed, 13 Nov 1996 22:50:38 -0500 (EST)
From: Rick Tilton <Nationwide@InfoAve.Net>
To: aprssig@tapr.org
Subject: DOS APRS in WIN95 in Background!
Message-ID: <01IBTBBD23UZY8YB90PaInfoAve.Net>

Hello all and tnx for reading! Have been following the SIG for months now.

LOT to read but have found useful stuff. This is my first msg to the SIG = and

hope it is useful. Now for the information I have. MAYBE I am the *LAST= *

to know but a friend of mine (WA4SSP) discovered this and I am passing it along to you just in case you did not know. As you know you can obviously

run DOS version of APRS in WIN95. BUT did you know that you can also run= it

in the BACKGROUND! Start DOS APRS from the run or create your own shortcut.

AFTER it starts running (and gets settled) hit "F10" key and it will put = DOS

APRS in a DOZE mode. This creates a black box so to speak. Then you can minimize the box to the taskbar and do whatever you want to do in WIN95.

THEN you can click on the taskbar and bring back up the little black box.

THEN hit F10 again and you are back in DOS APRS. You will have to hit the

space bar about twice to get it back to life again. Don't ask me what the

doze mode does. I FORGOT!? But it stops some kind of output to the I/O or

something. BUT we have tested and have actually received msg's while it = is

in doze mode. It seems to run in some way (that I don't know all of yet) and yet it keeps the graphics part from overloading everything so that it don't blow up as things did in 3.1 when you had heavy graphics. Go figure!

It's great! Installed BUS MOUSE in my 486/80 and now run APRS and Internet

at same time back and forth. Don't mean to bore you but thought this might help those that still want to run the DOS version of APRS instead of the WAPRS version (Sorry Sproul's!) CUL & 73.... de Rick.. N4WYK.

Date: Wed, 13 Nov 1996 22:51:10 -0500 (EST)
From: Rick Tilton <Nationwide@InfoAve.Net>
To: aprssig@tapr.org
Subject: DOS APRS in WIN95 in Background!
Message-ID: <01IBTBDRM2CU8YB90PaInfoAve.Net>

Hello all and tnx for reading! Have been following the SIG for months now.

LOT to read but have found useful stuff. This is my first msg to the SIG = and

hope it is useful. Now for the information I have. MAYBE I am the *LAST= *

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Date: Wed, 13 Nov 1996 23:09:23 -0500 (EST)
From: Steve Gemeny <sgemeny@access.digex.net>
To: aprssig@tqpr.org
Subject: KPC-3 on a boatride
Message-ID: <Pine.SUN.3.94.961113223411.29688A-100000@access5.digex.net>

OK, lets see if the NEWBIE can be helpful and avoid flamage=20
(sorry if the bandwidth is excessive).

Background

Ham since 1989 extra since February
Mostly active on 2 M fm and, lately, HF
Knew about APRS... but 'what do I need it for?'

The Enlightenment

Dad asked me to crew on his 44 foot cabin cruiser to Florida... =20
nice trip but I was going to have trouble leaving the harmonics for a=20
week (The oldest, 11 year old Sara, is N3XYG.) Maybe I can find a way
to involve them in the trip and learn something at the same time. And=20
then WB4APR shows up on 147.00 with a chirp in his squelch tail.

The project

I had a KPC-3 and an Kenwood TH-75 that could be pressed into service=20
for the home station. I found APRS on the web... download successful...=20
installation successful. Connection from the KPC-3 to the computer=20
completed (except for the send data... don't want to transmit before=20
I figure out what I'm doing!), now to pickup some of these putouts. =20
Getting plenty of data but its not showing up on the map. Butt my head=20
into the wall for a few days, swallow my pride (I am, after all an=20
intelligent technical HAM) and call the brothers Sproul. 'No
problemo gotta configure the KPC-3 to output the format APRS is looking=20
for'.

send the following:

Interface terminal

reset (moves the KPC-3 out of new user mode and into full command set)

mcom off

mresp off

headerlin off (in short, don't send all the <> stuff and don't=20
parse the header)

`YO lookatthat' putouts all the way from NC to VT. This stuff really=20
works. Thanks guys, you made my day.

Now for a package that can ride the boat. Got an old ICOM business=20
VHF rig from a friend, reprogrammed it for 145.790, modified it to=20
accept remote audio from the TNC. Picked up another KPC-3 (no time to=20
jump horses now) and a Magellan GPS, now I'm ready to `rock-n-role'...
well almost.

Setup the Magellan to startup at 9600, then, using the com program in=20
an HP palmtop (my mobile DTE), get the GPS to spit out the GPGGA string=20
by sending `\$PMGLI,00,B00,2,A,00'. Got the GPGGA sentence on the Palmtop=
=20
display, now for the TNC.

But what do I do about all that WIDE, GATE, RELAY stuff... go to the ora=
cle.

A quick call to Bob and all is well.

KPC-3 setup as follows:

light the GPS on power up

GPSINIT \$PMGLI,00,B00,7,A,00^N (you need the ctrl N to make a CR)

in general, me

BTEXT Yacht CAMELOT ENR Florida

UNPROTO APRS via RELAY,WIDE,WIDE

specifically, my position

GPSHEAD 1 \$GPGGA

GPSHEAD 2 \$GPGGA

GPSHEAD 3 \$GPGGA

sent trice by different routes

LTP1 APRS via RELAY,WIDE,WIDE
LTP2 APRS via WIDE,GATE,GATE,WIDE
LTP3 APRS via WIDE,GATE,KF0ZH,GATE,WIDE

at 10 min intervals
BLT 1 EVERY 00:10:00
BLT 2 EVERY 00:10:00
BLT 3 EVERY 00:10:00

ditto for me
BEACON EVERY 10

Final test

It all finally came together around Noon on October 16,1996 for a=20
scheduled departure from Solomons Island MD at 0600 on the 17th. (close
only counts in horseshoes and handgranades).

=20

Magellen GPS, KPC-3, VHF radio, HP Palmtop 12 Volt 6AH battery in a
plastic Briefcase with external GPS antenna and 12 VDC ship/car power
input (and a partridge in a pear tree).

First putouts from AA3NM-8 were from Gaithersburg, MD and enroute to=20
Solomons 'till 0200 on the 17th. Camelot departed at 0615 on the 17th=20
with full APRS operational at 35 Watts into a J-pole topping 22 ft.=20
above the water. Putouts continued down the intercoastal waterway=20
until separating from Camelot at 0815 October 20 to drive home (yes...=20
'Pinging' all the way).=20

Crew:

Capt. W30KB=20
1st Mate N3WUJ
Sysop/Nav AA3NM
Galley W30KB/XYL

I hope some of my setups are helpful. Yes I coulda mighta shoulda done
some things differently, but hey it worked. I hope some of you saw a
boat driving around Gaithersburg then heading south. Look for us again
between 12/25 and 1/5, then again in the spring heading North.

And thanks guys for all the help
73 DE AA3NM

Steve Gemeny

sgemeny@access.digex.net
sgemeny@mti-usa.com

ANY COPY?

Date: Wed, 13 Nov 1996 23:44:14 -0500
From: John M Dombkowski <wendysue@global2000.net>
To: aprssig@tapr.org
Subject: Re: APRS and the NWS message #2
Message-ID: <328AA39E.3098a@global2000.net>

Paul Moller wrote:

>=20

> I have nothing at all to do with the NWS, I just thought I would jump i=
n on

> this thread for a brief comment.

>=20

> Are you aware that the digital cellular phone community is working on a
> system by which your digital cellular phone will be used to send WX inf=
o

> directly to users in certain areas. In other words, since the digital
> cellular network will know where your are at within +/- 125 meters, and=
has

> one way messaging capability, it WILL be sending weather watches and
> warnings for display on the phone.

>=20

> Perhaps it is important to set up APRS as a WX uplink path, and let the=
NWS

> take care of downlink to the public.

>=20

Hi Paul

This is the way it's done now we provide the spots and they(NWS) provide=20
the forecast. This cellular thing will just be one more way to provide=20
info to the public.

John

Date: Thu, 14 Nov 1996 00:15:58 -0500
From: rwf@mindspring.com
To: aprssig@tapr.org
Subject: Re: KPC-3 on a boatride
Message-ID: <3.0.32.19961114001345.006a13f8@mindspring.com>

At 10:13 PM 11/13/96 -0600, you wrote:
>OK, lets see if the NEWBIE can be helpful and avoid flamage=20
> (sorry if the bandwidth is excessive).
>

Steve-

An entertaining post... and chock full o good information as well!
Thanks

Ralph

Date: Wed, 13 Nov 1996 21:26:10 -0800
From: Jim Duncan <ku0g@sprynet.com>
To: aprssig@tapr.org
Subject: Re: [Fwd: Help on APRS with KAM+]
Message-ID: <199611140526.VAA09205am1.sprynet.com>

Are you still in HOST MODE when you try to run APRS? =20

73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
EMail: ku0g@kcaprs.com
EMail: ku0g@sprynet.com

Date: Wed, 13 Nov 1996 21:50:06 -0800
From: Jim Duncan <ku0g@sprynet.com>
To: aprssig@tapr.org
Subject: Unwarranted/unwanted attachments!
Message-ID: <199611140550.VAA16194@m1.sprynet.com>

Gentlemen (and ladies)....

Please remember that it is totally inappropriate to completely quote someone else's posting except in the circumstance that a quotation is proper to make a point.

ALSO.....

It is completely inappropriate to waste the bandwidth and the on-line time of the rest of the members of the SIG to attach "cute little GIF files" which get stored on everybody's hard drive without at least making the availability known and asking if anyone REALLY would like to have them first!

(I have received three messages like this this evening alone! I'm SO glad that I spend \$140.00 per month for ISDN telephone service plus an additional \$29.95 for ISDN Internet access through my ISP just so I can watch have my very own copy of a "cute little puppy" playfully hopping back and forth across my monitor.)

IN A NUTSHELL: STOP IT! (or at LEAST have the courtesy to ask before you send...) Hey....For all I know that cute, little puppy could be a virus in disguise.

This is NOT cool. This is ALSO not the way to introduce yourself to the APRS SIG.....

73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
EMail: ku0g@kcaprs.com
EMail: ku0g@sprynet.com

Date: Thu, 14 Nov 1996 01:51:33 EST
From: billybobfisher@juno.com (Wm V Fisher)
To: aprssig@tapr.org
Subject: Re: DOS APRS in WIN95 in Background!
Message-ID: <19961114.000249.3318.4.billybobfisher@juno.com>

Hello Rick...not sure about your address so trying to send test.....Bill
Fisher / KE4GRW....73's

On Wed, 13 Nov 1996 22:04:02 -0600 (CST) Rick Tilton

<Nationwide@infoave.net> writes:

>Hello all and tnx for reading! Have been following the SIG for months=20
>now.

>LOT to read but have found useful stuff. This is my first msg to the=20

>SIG and

>hope it is useful. Now for the information I have. MAYBE I am the=20

>*LAST*

>to know but a friend of mine (WA4SSP) discovered this and I am passing=20
>it

>along to you just in case you did not know. As you know you can=20

>obviously

>run DOS version of APRS in WIN95. BUT did you know that you can also=20

>run it

>in the BACKGROUND! Start DOS APRS from the run or create your own=20

>shortcut.

>AFTER it starts running (and gets settled) hit "F10" key and it will=20

>put DOS

>APRS in a DOZE mode. This creates a black box so to speak. Then you=20

>can

>minimize the box to the taskbar and do whatever you want to do in=20

>WIN95.

>THEN you can click on the taskbar and bring back up the little black=20

>box.

>THEN hit F10 again and you are back in DOS APRS. You will have to hit=20

>the
>space bar about twice to get it back to life again. Don't ask me what=20
>the
>doze mode does. I FORGOT!? But it stops some kind of output to the=20
>I/O or
>something. BUT we have tested and have actually received msg's while=20
>it is
>in doze mode. It seems to run in some way (that I don't know all of=20
>yet)
>and yet it keeps the graphics part from overloading everything so that=20
>it
>don't blow up as things did in 3.1 when you had heavy graphics. Go=20
>figure!
>It's great! Installed BUS MOUSE in my 486/80 and now run APRS and=20
>Internet
>at same time back and forth. Don't mean to bore you but thought this=20
>might
>help those that still want to run the DOS version of APRS instead of=20
>the
>WAPRS version (Sorry Sproul's!) CUL & 73.... de Rick.. N4WYK.
>
>

Date: Thu, 14 Nov 1996 10:33:26 -0800
From: DE001-IPA <uipdeo01@usiminas.com.br>
To: aprssig@tapr.org
Subject: Mouse Digitizer
Message-ID: <328B65F6.33FA@usiminas.com.br>

I=B4m trying to digitize my local map, using MAPFIX27.EXE , but the=20
program commands File/OpenPoorManDigitizer/P is telling me no mouse.I=B4m=
=20
using a Genius mouse GM-6 and Gmouse.com driver in the autoexec.bat.
Can you help me to enable the Mouse recourse?
Tnx and 73=B4s from PY4LF....Julio!

Date: Thu, 14 Nov 1996 14:17:21 +0000

I am a new comer on board.. looking for a a Machintosh program that allows me to digitize a map. Is there any shareware available around?

JIM IS RIGHT! LISTEN TO HIM. Please.

```
>Gentlemen (and ladies)....
>
snip...
```

```
>This is NOT cool.  This is ALSO not the way to introduce yourself to the
>APRS SIG.....
```

[illegible]

Date: Thu, 14 Nov 1996 11:19:26 -0500
From: dennis@zone5.com (Dennis Hudson)
To: aprssig@tapr.org
Subject: Re: Digitizing with a MAC
Message-ID: <v01540b00aeb0f5b625e9a[205.247.145.86]>

Mike Musick Said on August 26

>Maps for the Rest of Us! ;-))

>

>MacDLG v1.0 is now uploaded to the TAPR server. This is a Macintosh appli-
ication

>which generates APRS maps in both the DOS and Mac/Win file formats.

>

>Program features:

>

- > - Menu & dialog box control (looks and feels like a Mac program)
- > - User selection of file format, map features and finished size
- > - Point count reduction through use of related line joining
- > - Selectable smoothing for DOS points reduction
- > - Source data from USGS 100K DLG or Census Bureau TIGER databases,
> from either FTP or CD-ROM
- > - Logical use of color for feature identification
- > - Separate selection of shoreline, river, and stream detail
- > - Includes "trail" road types
- > - Tested with maps having 300,000 points
- > - Direct output of Mac/Win format - no conversion and its subsequent
> loss of resolution or color information

>

>

>I've been working on this program for about four months and it appears to be

>solid enough to release now. It's a bit on the slow side for super-large maps

>(3 hours or more for 16-mile radius maps of major metro areas which include

>all detail), but, after all, we're talking about 300-350K points to start with!

>If your expectations are kept reasonable, most maps should take 10-15 mi-

notes

>to read and process on a mid-level Mac. I'm continuing to work on the speed

>issue, though.

>

>While the program itself (I feel...) is straightforward to use, with clear

>dialog boxes and descriptive error messages, reading the manual is going to be

>mandatory to get any success. This is due to the unusual way (in Mac terms) in

>which the source files have to be organized in order to span the several files

>needed for even small maps. The manual is included with the application in MS

>Word 6.0 format; for those that don't have Word 6.0, the manual was also

>uploaded separately in PDF format.

>

>The program is intended to give any Mac user the ability to generate his/her

>own maps for the various APRS programs.

>

>Thanks are due to Jack Cavanagh, KB4XF, whose MKMAPHK2.BAS was the inspiration

>for MacDLG. My gratitude to Jack for making his code public.

>

> ...mike, N0QBF

> 71301.3106@compuserve.com

I haven't heard much of late of the program, but I have been using it successfully for some time. It will really scream on a power mac with lots of ram. Big hats off to Mike and Jack for their efforts, awesome program.

You, a Mac, the World.

Dennis, N2LBT

Dennis J. Hudson	dennis@zone5.com
Manager, IS	Zone 5 Prepress
8 Corporate Circle	Albany, NY 12203
518 464-2800	518 456-8312 (fax)

Date: Thu, 14 Nov 1996 11:53:35 EST
From: kb5edb@juno.com
To: aprssig@tapr.org
Subject: Mike Kantor Re: GPS Mount and KPC-3 Manual
Message-ID: <19961114.105246.7471.0.kb5edb@juno.com>

Well Mike ,

You said that they were shipped out but still haven't see them show up..kinda like the gps and tnc after a month of waiting but you were abell to cash the money order quickly. Well this sounds like all those people and getting shirts from you. By the way I'd like two x-large one for me and a friend send them to me and I'll send you the money (not Fed-Ex this time though). You don't answer your phone (954) 974-4153 or return calls may you will return email....???

Date: Thu, 14 Nov 1996 12:04:04 +0000
From: "mail.conknet.com" <kml@conknet.com>
To: aprssig@tapr.org
Subject: Re: Digitizing with a MAC
Message-ID: <328B0AB3.10A7@conknet.com>

Alex,

There is a wonderful program called MacDLG by Mike Musick,N0QBF.
Can't recall where I downloaded it, but fairly sure Mike mentioned it on the SIG here. MacDLG is a Mac program that makes APRS maps from 1:100,000 DLG data. Very slick application! (Tnx Mike)Alessandro Donati wrote:

>=20

> I am a new comer on board.. looking for a a Machintosh program that

>=20

> allows me to digitize a map. Is there any shareware available around?

>=20

> Tnx & 73's de Alex, DJ0MDO

=20

Dan, W1UR

Date: Thu, 14 Nov 1996 12:16:15 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: help needed for CalComp 2500 Digitizer
Message-ID: <Pine.GS0.3.95.961114121408.28378A-100000@arctic>

On Wed, 13 Nov 1996, Bob Derderian wrote:

> I have a CalComp 2500 digitizer that I would like to use for making
> local maps, but am not able to get the tablet communicating with the
> computer 'cause I do not have the manual for it and do not know how to
> use the built-in menu system of the tablet to configure it.

APRSdos REPLY/COMMENT: Isnt that like mine? Use MAPFIX and when you use
FILES-OPEN to open the comm port to the DIGITIZER, then there should be a
full screen of instructions on the CALCOMP (at least mine so I could see
it each time). Yours may be slightly different, but maybe that will
help...

Reply mail addr: wb4apr@amsat.org =20
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Thu, 14 Nov 1996 12:32:45 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: APRSdos Dozing in WIN95 Background!
Message-ID: <Pine.GS0.3.95.961114122610.28378C-100000@arctic>

On Wed, 13 Nov 1996, Rick Tilton wrote:

> You can run APRSdos in WIN95. BUT did you know that you can also run it
> in the BACKGROUND! Start DOS APRS from the run or create your own short

tcut.

> AFTER it starts running (and gets settled) hit "F10" key and it will pu=
t DOS
> APRS in a DOZE mode. Then you can minimize the box to the taskbar and
> do whatever you want to do in WIN95. Later you can click on the taskba=
r
> and bring back up the little black box. THEN hit F10 again and you are
> back in DOS APRS. I dont remember what DOZE does...

APRSdos REPLY/COMMENT: It Tells aprs to go to text mode and to not write
ANYTHING to the screen. THat way it doesnt have to try to be compatible
with all the bazillions of settings for graphics. Since WinAPRS came out=

,
I have not paid close attention to my DOZE function, so if it crashes on
you because I have added something new that does accidentally write to
the screen, plesae let me know. A good test is to put APRS in doze mode
in forground and let it run for a LONG time. If anything goes to the
screen, let me know what...

Reply mail addr: wb4apr@amsat.org =20

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Thu, 14 Nov 1996 12:40:22 -0500 (EST)

From: Bob Bruninga <bruninga@nadn.navy.mil>

To: aprssig@tapr.org

Subject: Re: Mouse Digitizer

Message-ID: <Pine.GS0.3.95.961114123821.28378D-100000@arctic>

On Thu, 14 Nov 1996, DE001-IPA wrote:

> I=3DB4m trying to digitize my local map, using MAPFIX27.EXE , but the=3D=
20
> program commands File/OpenPoorManDigitizer/P is telling me no mouse.I=3D=
B4m=3D
=3D20
> using a Genius mouse GM-6 and Gmouse.com driver in the autoexec.bat.
> =3D09Can you help me to enable the Mouse recourse?
> =3D09Tnx and 73=3DB4s from PY4LF....Julio!

APRSdos REPLY/COMMENT: Sorry, but since I changed to supporting the BUS

Mouse, MAPFIX no longer will do the poor-mans digitizer. I just havent had time to go play with it. If anyone wants to take that on, have fun... MAPFIX is available in source code as MAPFIX27.bas But you must run it undre QB.exe not Qbasic.exe and you must use the /L option so the mouse library will be loaded...

Reply mail addr: wb4apr@amsat.org =3D20

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Thu, 14 Nov 1996 12:47:42 -0500

From: Mark Sproul <sproul@ap.org>

To: aprssig@tapr.org

Subject: WinAPRS 1.1.7

Message-ID: <v03007805aeb108872880@[165.1.27.20]>

As promised, the next release of WinAPRS is up on both Rutgers and TAPR a=
s
of today. The improvements and bug fixes are listed below.

As normal, there are 2 files, WAPRS117.ZIP and W117UPDT.ZIP, the second being just the update file.

There is also a new release of MacAPRS, version 2.6.7, this will be put u=
p
on the servers later today.

Mark

Version 1.1.7 - November 14, 1996

*** Major weather additions. Added configurable display for any station that has weather data.

*** Added Unproto path list, this is a list of the paths that each statio=
n
is using

*** You can now double click on an airport in the airport list and it wil=
l

take you to the best map that displays that airport and show you where it is.

*** Incoming messages to the user now brings up the message window automatically.

*** Fixed message window bug that replied to the wrong station unless ALL MESSAGES was selected.

*** Fixed date bug that only occurred on the last day of the month.

*** Fixed one or two minor memory leaks, this might help with some of the crashes that a few users were having.

*** Fixed bug that did not reliably start the Davis weather input all of the time.

*** When running dual port TNCs, message acks now go out the right port.

*** When running dual port, the station list now shows properly red/blue for HF/VHF stations.

```
-----=  
-  
Mark Sproul                |Amateur Radio: KB2ICI  
Software Engineer @ Assoc Press |  
sproul@ap.org              |Work: 609-860-7120  
North Brunswick, NJ        |Fax: 609-860-7129  
http://msproul.rutgers.edu/  
-----=  
-
```

```
-----  
  
Date: 14 Nov 1996 18:45:00 +0000  
From: "X.400_Mail_Gateway" <X400Postmaster@aresonet.com>  
To: aprssig@tapr.org  
Subject: Delivery-Report (failure) for  
Message-ID: <ADMD=3DTELECOM.CANADA/C=3DCA/;DNGA-5612-4900@aresonet.com>
```

--Thu Nov 14 13:52:11 1996 L1 51

This report relates to your message: (91)APRSSIG:6...

Your message was not delivered to:

/DD.ID=3Djohn.langtry/0=3DRESONET/ADMD=3DTELECOM.CANADA/C=3DCA/
@resonet.=
com

for the following reason:

Transfer could not be initiated

An invalid message parameter was encountered

The Original Message is not available

--Thu Nov 14 13:52:11 1996 L1 51

content-type: message-delivery-status

Reporting-MTA: x400; mta MTA-1 in /PRMD=3D(null)/ADMD=3DTELECOM.CANADA/C=3D=CA

Arrival-Date: 14 Nov 1996 18:45:00 +0000

DSN-Gateway: dns; resonet.com

X400-Conversion-Date: 14 Nov 1996 13:52:11 -0500

Original-Envelope-Id:

[/PRMD=3DRESONET/ADMD=3Dtelecom.canada/
C=3Dca/;<Pine.GS0.3.95.9611141238=
21.2837]

X400-Content-Identifier: (91)APRSSIG:6...

X400-Content-Type: P2-1984 (2)

Original-Recipient: rfc822; /DD.ID=3Djohn.langtry/0=3DRESONET/ADMD=3DTELE=COM.CANADA/C=3DCA/@resonet.com

Final-Recipient: x400; /DD.ID=3Djohn.langtry/0=3DRESONET/ADMD=3DTELECOM.C=ANADA/C=3DCA/

Action: failure

Status: 5.5.2

Diagnostic-Code: x400; 1 (Unable-To-Transfer) / 11 (Invalid-Parameters)

X400-Last-Trace: 14 Nov 1996 18:43:00 +0000

X400-Originally-Specified-Recipient-Number: 1

--Thu Nov 14 13:52:11 1996 L1 51--

I have to concur with Ron. Unless there is a programmed limit on the size= of

the file and it is *NOT* user modifiable, and it is VERY small (>1K) and =
it is
limited to text only, I see channel capacity going down in flames. The in=
tended
use is laudable (list transfer in a public service setting), but the pote=
ntial
for abuse and impact to the user community is beyond significant - more l=
ike
"Ohmygawd!".

Frankly, experience says if the feature is there, the impact to others wi=
ll be
"overlooked" and the channel will get trashed.

When 9600 bps or better is the standard we can begin to think about this,=
but -
really - not before.

...mike/N0QBF

Date: Thu, 14 Nov 1996 15:37:30 EST
From: hfigueroa@juno.com (Hector M Figueroa)
To: aprssig@tapr.org
Subject: KPC-3 Settings
Message-ID: <19961114.123614.9782.1.Hfigueroa@juno.com>

Tommy, It sound like everything is set up correctly, but you must set
interface to GPS

just use any terminal program and type

int gps

It is also a good ideat to set up the remote control functions of you KPC
to make changes easier

Hector M. Figueroa E-Mail Hfigueroa@juno.com
World Wide Web Page <http://www.geocities.com/CapeCanaveral/1629>
Amateur Radio Call KE6VRL
Packet KE6VRLaK6VE.#SOCA.CA.USA.NOAM

On Tue, 12 Nov 1996 19:58:30 -0600 (CST) Tommie Taylor

<tomcmugs@n-link.com> writes:

>Does anyone have the complete setting for a KPC3+GPS for mobile.

>I need to see if the perms are set correctly on my Mobile unit.

>I have the GPS and KPC3 running in the auto but I see the data being

>sent out but the \$GPGGA always shows the same data and is not=20

>updating.

>Help

>Tommy KC5UJH

>

>

Date: Thu, 14 Nov 1996 15:37:30 EST

From: hfigueroa@juno.com (Hector M Figueroa)

To: aprssig@tapr.org

Subject: Re: Cse and Speed

Message-ID: <19961114.123614.9782.0.Hfigueroa@juno.com>

Roy,=20

I am going to assume that your problem is with a standalone tracker,
because WINAPRS is what sends the info to the KPC-3.=20

SO if it is a standalone. . .

The problem may be that you have not told the KPC-3 to look for the vgt
sentence

set the gpshead parameter in your KPC-3 to \$GPVGT and it must be in CAPS!

You have 4 gpshead slots so if you use any additional spaces, be sure to
set up the corresponding blt and ltp parameters.

Good Luck

Hector M. Figueroa E-Mail Hfigueroa@juno.com

World Wide Web Page <http://www.geocities.com/CapeCanaveral/1629>

Amateur Radio Call KE6VRL

Packet KE6VRL@K6VE.#SOCA.CA.USA.NOAM

On Tue, 12 Nov 1996 22:39:01 -0600 (CST) rbost@itexas.net (Roy Bost) writes:
>I cannot get my Garmin-45 to send course and speed information to my=20
>KPC-3.
>\$gprmc works fine except no course and speed and \$gpvtg does not send
>course and speed. I'm using WinAPRS and have seen other stations with=20
>the
>red line for cse and speed so I don't think it's the program. Does=20
>the
>Garmin-45 not send this data or is mine broke?
>
>Roy Bost, N5TAM
>Granbury, Tx.
>rbost@itexas.net
>32 25' 33"N 97 48' 59"W
>
>

Date: Thu, 14 Nov 1996 18:26:57
From: Arte Booten <N2ZRC@gnn.com>
To: aprssig@tqpr.org
Subject: Re: DOS APRS in WIN95 in Background!
Message-ID: <199611142326.SAA06533@mail-e2b.gnn.com>

Hi All,

On Wed, 13 Nov 1996 Rick Tilton wrote:

>... hit "F10" key and it will put DOS APRS in a DOZE mode ...
>minimize the box ... and do whatever you want ... in WIN95 ...
>click on the taskbar and bring back up the little black box.
>THEN hit F10 again and you are back in DOS APRS ...

I find it easier to simply press Alt-Esc, which will also minimize APRS to the taskbar, but doing it this way APRS remains ACTIVE in the background. Using the "DOZE" mode allows you to keep APRS in memory but, unless your TNC has a humongous buffer (or you get back to it fairly soon,) you'll be missing

information and won't be uplinking your info.

I HAVE, however, found that I can't use my landline modem on COM3 (TNC is on COM1) when using this method, but I think my screwy Packard Bell may be the culprit here. I haven't tried Rick's method yet, so I don't know whether that would be a work around for this situation. 73

Arte Booten <N2ZRC@gnn.com>
(Packet Radio: N2ZRCaKB2VLX.#BRONX.NY.USA.NA)
[Cruise Missile Coordinates: 40 52.69N / 073 54.06W]

... Sensors say there is nothing at those coordinates ...

Date: Thu, 14 Nov 1996 16:15:39 -0800
From: Steve Boyle <sboyle@netcom.com>
To: "aprssig@tapr.org" <aprssig@tapr.org>
Subject: Live SF Bay APRS data!
Message-ID: <328BB62B.E9@netcom.com>

ATTENTION... =20

Message for APRS Sig members only...

Now ready for your APRS viewing pleasure...Live APRS from San Francisco!

=20

Demo page at <http://sboyle.slip.netcom.com/LIDSAPRS.html>

The site is still under test and might not always be available. So I would like to keep this confidential and limit usage to members of this Sig for a few more weeks.

Let me know what you thing.

Bye Bye,
Steve
KD6WXD

Date: Thu, 14 Nov 1996 20:53:31 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: ATTN! All map makers
Message-ID: <Pine.GS0.3.95.961114204551.17300A-100000@arctic>

NEW IDEA! Ever been frustrated by not knowing what maps you have loaded on what PC? I am modifying my next version of APRSdos, so that the MAPS-WHICH command will give you a list of all XXMAPS.ZIP distribution files that you have loaded. Neat idea, huh?

BUT I need the help of all mapmakers!. Please put in the MAPS directory of every distribution package a file named XXmapsXX.TXT You can put anything you want in the .TXT file, because all I am going to do with my MAPS-WHICH command is to do a DIR MAPS*.txt to list all of these .TXT files. In mine, Im going to put upgrade notes showing what is new in each new release of my XXmapsXX.ZIP distros.

Remember that for MAP.ZIP distribution packages to work right, you have to zip them up with the PKZIP -RP option as discribed in MAPS.txt. This way users can use the standard PKUNZIP -D and get everything in the right place...

Reply mail addr: wb4apr@amsat.org =20
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

End of APRSSIG Digest 768

From aprssig@tapr.org Sun Nov 17 00:01:51 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP
id AA1619 ; Sat, 16 Nov 96 23:12:34 UTC

Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id VAA11917; Wed, 13 Nov 1996 21:53:44 -0600
(CST)
Date: Wed, 13 Nov 1996 21:53:44 -0600 (CST)
Message-Id: <328A8F71.5900@flash.net>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6377] APRSSIG digest 767
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Content-Type: multipart/mixed; boundary="-----2816732F26C3"
MIME-Version: 1.0
X-Mailer: Mozilla 3.0Gold (Win95; I)
Status: R

APRSSIG Digest 767

Topics covered in this issue include:

- 1) Re: [Fwd: Help on APRS with KAM+]
by John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
- 2) Re: file transfer question
by "BS" <steved@vianet.on.ca>
- 3) Re:
by aprs@juno.com (ap rs)
- 4) Re: Got the Shirts
by kd4emi@juno.com (Michael A. Kantor)
- 5) Re: APRS and the NWS message #2
by Paul Moller <paulmoll@enteract.com>
- 6) Re: GARMIN GPS45XL Data Cable
by "David W. McNeil" <ki5vm@flash.net>
- 7) Re: GARMIN GPS45XL Data Cable
by "David W. McNeil" <ki5vm@flash.net>
- 8) Re: The NMEA FAQ
by "David W. McNeil" <ki5vm@flash.net>

Date: Wed, 13 Nov 1996 19:57:46 -0500 (EST)

From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
To: aprssig@tqpr.org
Subject: Re: [Fwd: Help on APRS with KAM+]
Message-ID: <Pine.3.89.9611131900.A1009-0100000@bcfreenet.seflin.lib.fl.us>

I use a KAM and the APRS program doesn't always transmit as it thinks it is. I made sure that the streamsw is set to ~A (Tilde A) for HF and |A for VHF. I then sometimes have to do a C B V, C B H sequence, or vice versa, to get the alternate band to transmit. That combination always works, assuming your cabling is correct. Good luck.

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

On Wed, 13 Nov 1996, Doug Wetzel wrote:

```
> This is a multi-part message in MIME format.
>
> -----31B91C2ACF9
> Content-Type: text/plain; charset=us-ascii
> Content-Transfer-Encoding: 7bit
>
> Can someone with a KAM please respond to this fellow via email?
>
> Thanks!
>
> Doug
> K7IP
>
> -----31B91C2ACF9
> Content-Type: message/news
> Content-Transfer-Encoding: 7bit
> Content-Disposition: inline
>
> Path: wrq.com!netnews.nwnet.net!arclight.uoregon.edu!feed1.news.erols.com!
news
> From: dwthomas@erols.com (David Wm. Thomas)
> Newsgroups: rec.radio.amateur.digital.misc
> Subject: Help on APRS with KAM+
> Date: Tue, 12 Nov 1996 23:16:57 GMT
> Organization: Erol's Internet Services
```


> Message-ID: <56b0k7\$adlaboursy.news.erols.com>
> NNTP-Posting-Host: war-as1s09.erols.com
> X-Newsreader: Forte Free Agent 1.0.82
>
> I am trying to get my KAM+ working with APRS, Version 7.4. I have
> tried older versions and and they all do the same. I am trying to get
> it to go into the HF mode. The software receives the packets and
> everything fine, it just won't transmit. Do I have to have my VHF
> radio hooked up with it also? The VHF part seems to work just fine.
> I have tried the ALT-S, the Controls menu and setting up 2 port and
> selecting HF also. When I hit the tab key, the screen says 2*HF. I
> have tried just HF and nothing else seems to work. When I try to send
> a beacon, the screen says ..transmitting... but nothing happens. I am
> using a ICOM 738 and it works with the KAM+ fine with all other
> software, like Hostmaster and others. I noticed that if I go into the
> Operations menu and athen into the cmd. mode, I can set the beacon to
> transmit every 1 minute, and the HF rig does transmit packets,
> although I don't know what they are, I assume that it is the beacon.
> Then I can go back and shut off the beacon. and everything continues
> the same. Am I missing something? Can I use the APRS software just
> with the HF rig?
>
> Dave, K3MWT
>
>
> -----31B91C2ACF9--
>

Date: Wed, 13 Nov 1996 19:56:00 -0500
From: "BS" <steved@vianet.on.ca>
To: <aprssig@tqpr.org>
Subject: Re: file transfer question
Message-ID: <199611140111.UAA23237@vianet.on.ca>

I second that one Ron!!!!

Steve Dubois VA3HOI
CANWARN SPOTTER(Environment Canada)
(S)huttle(A)mateur(R)adio(EX)periment STATION
APRS,WinAPRS,APRTRAK

E-mail:steved@vianet.on.ca

> >
> Am I missing the point of APRS, position reporting of mobiles, bases
> and wx reports and one line emergency traffic.
>
> Will not File transfers kill the aprs frequency altogether, I think
> that this type of transfers should be left to regular packet
> frequencies using regular bbs's etc not on APRS, its starting to get
> more than 100% in this area all the time now.
>
> I guess I better put my flame suit on...
> Just my opinion
>
> 73 de Ron Best Regard
> Email: rkramer@mergetel.com ve3mx@mergetel.com
> Packet: ve3mx@ve3snp
>

Date: Wed, 13 Nov 1996 21:07:11 EST
From: aprs@juno.com (ap rs)
To: lourigan@STC.Net
Cc: aprssig@tapr.org
Subject: Re:
Message-ID: <19961113.210532.9110.1.aprs@juno.com>

Tom

You have "laptop scrunch syndrome".
I think it is because your screen can display more than the standard EGA
(or is it VGA- never can remember). The computer wants to keep the same
"Aspect ratio", so it shrinks the display.

My IBM Thinkpad has it, but the setup program has a feature called
"vertical expansion" that stretches everything just enough to fill the

screen back up.

Unless Toshiba has a utility, I think you're out of luck. I know of none (other than the Thinkpad) that do.

This was discussed here a year ago pretty extensively.

On Fri, 25 Oct 1996 14:14:54 -0400 (EDT) lourigan@STC.Net writes:
On the Toshiba the APRS display does not
>fill the
>display. The display is squashed a little vertical. A circle looks
>like an
>oval. The width is not where it should be either. Other DOS text
>programs
>run ok. It seems to be only the APRS screen that is screwy.

Date: Wed, 13 Nov 1996 21:24:21 EST
From: kd4emia@juno.com (Michael A. Kantor)
To: aprssig@tapr.org
Subject: Re: Got the Shirts
Message-ID: <19961113.212309.5375.4.KD4EMI@juno.com>

Thanks..hope you like them.. I have all of them in stock now and there should not be any delays..

Sorry for the inconvenience..

Mike

On Tue, 12 Nov 1996 20:48:35 -0600 (CST) reeves <reeves@christenson.com> writes:
>Well, I finally got the 4 shirts I ordered. They look good.
>
>Thanks Mike.
>
>Ron Reeves
>N7QX0
>reeves@christenson.com

>
>

Date: Wed, 13 Nov 1996 21:35:24 -0600
From: Paul Moller <paulmoll@enteract.com>
To: aprssig@tapr.org
Subject: Re: APRS and the NWS message #2
Message-ID: <3.0b28.32.19961113212831.006ad02c@enteract.com>

I have nothing at all to do with the NWS, I just thought I would jump in on this thread for a brief comment.

Are you aware that the digital cellular phone community is working on a system by which your digital cellular phone will be used to send WX info directly to users in certain areas. In other words, since the digital cellular network will know where you are at within +/- 125 meters, and has one way messaging capability, it WILL be sending weather watches and warnings for display on the phone.

Perhaps it is important to set up APRS as a WX uplink path, and let the NWS take care of downlink to the public.

At 03:22 PM 11/12/96 -0600, you wrote:
>On Tue, 12 Nov 1996 13:59 John M Dombrowski said:
>
>>HAY YOU GUYS WHO ARE USING APRS WITH THE NWS PLEASE TELL THE REST OF US
>>HOW AND WHY!!!!!!!!!!!!!!!!!!!!
>
WD9ABE
Paul Moller

Date: Wed, 13 Nov 1996 21:35:57 -0600
From: "David W. McNeil" <ki5vm@flash.net>
To: aprssig@tapr.org
Subject: Re: GARMIN GPS45XL Data Cable
Message-ID: <328A939D.410D@flash.net>

This is a multi-part message in MIME format.

-----44776E707C94

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

jud wrote:

>

> I have been using the Garmin Data Cable to connect my GPS45XL to my KPC-3.

> The only problem with that is the power pin is not connected and you must use the units batteries. I just received a Power/Data cable from GARMIN and

> I now have external power going to the GPS45XL. I was wondering if the red

> wire for power might be in the Data cable but just not connected to the 9 pin plug. I tried finding it by sticking a needle in the cable and using a

> multi-meter, no luck. I then cut the plug off and had a good look see.

Its

> not there. I installed a new plug and it is as good as new. Just a tip, don't cut the plug off the Data cable looking for the power wire. 73, Jud

>))((((

>)_ _ (

> [o o]

> =====000====()=====000=====

> Jud French, KE4HFX

> judlynn@norfolk.infi.net

> =====

> 5423 Barnhollow Rd.

> Norfolk, VA 23502-3604

-----44776E707C94

Content-Type: image/gif; name="Dogrun.gif"

Content-Transfer-Encoding: base64

Content-Disposition: inline; filename="Dogrun.gif"

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-----44776E707C94--

Date: Wed, 13 Nov 1996 21:37:59 -0600
From: "David W. McNeil" <ki5vm@flash.net>
To: kj5jy@flash.net, aprssig@tapr.org
Subject: Re: GARMIN GPS45XL Data Cable
Message-ID: <328A9417.34C0@flash.net>

This is a multi-part message in MIME format.

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jud wrote:

>

> I have been using the Garmin Data Cable to connect my GPS45XL to my
KPC-3.

> The only problem with that is the power pin is not connected and you must

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> use the units batteries. I just received a Power/Data cable from GARMIN
and
> I now have external power going to the GPS45XL. I was wondering if the
red
> wire for power might be in the Data cable but just not connected to the 9
> pin plug. I tried finding it by sticking a needle in the cable and using
a
> multi-meter, no luck. I then cut the plug off and had a good look see.
Its
> not there. I installed a new plug and it is as good as new. Just a tip,
> don't cut the plug off the Data cable looking for the power wire. 73, Jud
>
> ))((((
> )_ _ (
> [o o]
> =====000==( )=====000=====
>
> Jud French, KE4HFX
>
> judlynn@norfolk.infi.net
> =====
> 5423 Barnhollow Rd.
> Norfolk, VA 23502-3604

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-----16D6466C6D3D--

Date: Wed, 13 Nov 1996 21:35:32 -0600
From: "David W. McNeil" <ki5vm@flash.net>
To: kj5jy@flash.net, aprssig@tapr.org
Subject: Re: The NMEA FAQ
Message-ID: <328A8F71.59000@flash.net>

This is a multi-part message in MIME format.

-----2816732F26C3
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve Boyle wrote:

>
> Hello,
>
> I happened to find my copy of the NMEA FAQ. I do not know when the
> last time was it made the rounds (I have not been a member for very
> long) or if there is a newer version. Anyway, here it is:
>
> Steve
> KD6WXD
>
> ----- Cut Here -----
>
> The NMEA FAQ
> Version 2.0 Jan. 1, 1996
>
> Additions, corrections, and comments should be emailed to the author,

> Peter Bennett bennett@triumf.ca

>

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> 6.1 Acknowledgements

>

> 1. What is NMEA?

>

> The National Marine Electronics Association is dedicated to the
> education and advancement of the marine electronics industry and
> the market which it serves.

>

> It is a non-profit association composed of manufacturers,
> distributors, dealers, educational institutions, and others
> interested in peripheral marine electronics occupations
> (quoted from a promo in "NMEA News")

>

> 1.1 What is an NMEA standard?

>

> For the purposes of this article, an NMEA standard defines an
> electrical interface and data protocol for communications
> between marine instrumentation. (They may also have standards

> for other things.)
>
> 1.2 NMEA Address
>
> P.O. Box 3435
> New Bern NC, 28564-3435
> U.S.A.
> Phone: 919-638-2626
> Fax: 919-638-4885
> <http://www.coastalnet.com/business/electronics/nmea/nmeawww.html>
>
> 2. Electrical Interface
>
> These standards allow a single "talker", and several "listeners"
> on one circuit. The recommended interconnect wiring is a
> shielded twisted pair, with the shield grounded only at the
> talker. The standards do not specify the use of any particular
> connector.
>
> The NMEA-0180 and 0182 standards say that the talker output may
> be RS-232, or from a TTL buffer, capable of delivering 10 mA at
> 4 V. A sample circuit shows an open collector TTL buffer with a
> 680 ohm resistor to +12 V, and a diode to prevent the output
> voltage from rising above +5.7 V.
>
> NMEA-0183 accepts this, but recommends that the talker output
> comply with EIA-422. This is a differential system, having two
> signal lines, A and B. The voltages on the "A" line correspond
> to those on the older TTL single wire, while the "B" voltages
> are reversed (while "A" is at +5, "B" is at ground, and vice
> versa)
>
> In either case, the recommended receive circuit uses an
> opto-isolator with suitable protection circuitry. The input
> should be isolated from the receiver's ground.
>
> In practice, the single wire, or the EIA-422 "A" wire may be
> directly connected to a computer's RS-232 input.
>
> 3. NMEA-0180 and NMEA 0182
>
> NMEA-0180 and 0182 are very limited, and just deal with
> communications from a Loran-C (or other navigation receiver,

```

> although the standards specifically mention Loran), and an
> autopilot.
>
> From the information I have, it appears that 0180 and 0182 are
> identical. I suspect that equipment claiming to use NMEA-0180
> will use the "simple" format described below, while those using
> NMEA-0182 will use the "complex" format. (but this is really
> just a guess... corrections??)
>
> 3.1 "Simple" data format
>
> The simple format consists of a single data byte transmitted at
> intervals of 0.8 to 5 seconds, at 1200 baud with odd parity.
> Bits 5 - 0 give the cross-track error in units of 0.1 uS or 0.01
> nautical mile. The error is given in offset binary, with a
> count of 1 representing full scale right error, 32 (hex 20) for
> on course, and 63 (hex 3f) full scale left error. Bit 6 is a 1
> if the data is valid, and bit 7 is 0 to indicate the simple
> data format.
>
> 3.2 "Complex" data format
>
> The complex format consists of a data block of 37 bytes of
> (mostly) readable ASCII text giving cross-track error, bearing
> to waypoint, present Lat/Long, and a binary status byte. The
> data block shall be sent at intervals of 2 to 8 sec. All bytes
> in the complex format have bit 7 = 1 to distinguish them from
> the simple format. It is permissible for a sending device to
> send both simple and complex data, and even to send a "simple"
> data byte in the middle of a "complex" data block.
>
>
> Byte      Data
> 1          $
> 2          M          | device
> 3          P          | address
>
> 4          K = kilometres      | cross track
>           N = nautical miles  | error
>           U = microseconds    | units
>
> 5 - 8      0 - 9 or .          cross track error value
> 9          L or R              cross track error position
>

```

```

>      10      T or M      True or Magnetic bearing
>      11 - 13    0 - 9      bearing to next waypoint
>
>      14 - 23    12D34'56"N or      present latitude
>                  12D34.56'N
>      24 - 34    123D45'56"W or      present longitude
>                  123D45.67"W
>
>      35          non-ASCII status byte
>                  bit 0 = 1 for manual cycle lock
>                      1 = 1      low SNR
>                      2 = 1      cycle jump
>                      3 = 1      blink
>                      4 = 1      arrival alarm
>                      5 = 1      discontinuity of TDs
>                      6 = 1 always
>      36          "NUL" character (hex 80)(reserved status byte)
>      37          "ETX" character (hex 83)
>      Any unavailable data is filled with "NUL" bytes.
>
> 4.      NMEA-0183
>
> 4.1      General Sentence Format
>
>      Under the NMEA-0183 standard, all characters used are printable
>      ASCII text (plus carriage return and line feed).
>
>      The data is transmitted in the form of "sentences". Each
>      sentence starts with a "$", a two letter "talker ID", a three
>      letter "sentence ID", followed by a number of data fields
>      separated by commas, and terminated by an optional checksum, and
>      a carriage return/line feed. A sentence may contain up to 82
>      characters including the "$" and CR/LF.
>
>      If data for a field is not available, the field is simply
>      omitted, but the commas that would delimit it are still sent,
>      with no space between them.
>
>      Since some fields are variable width, or may be omitted as
>      above, the receiver should locate desired data fields by
>      counting commas, rather than by character position within the
>      sentence.
>

```

> The optional checksum field consists of a "*" and two hex digits
> representing the exclusive OR of all characters between, but not
> including, the "\$" and "*". A checksum is required on some
> sentences.

> The standard allows individual manufacturers to define
> proprietary sentence formats. These sentences start with "\$P",
> then a 3 letter manufacturer ID, followed by whatever data the
> manufacturer wishes, following the general format of the
> standard sentences.

> Some common talker IDs are:

>	GP	Global Positioning System receiver
>	LC	Loran-C receiver
>	OM	Omega Navigation receiver
>	II	Integrated Instrumentation
>		(eg. AutoHelm Seataalk system)

> 4.2 Sentences sent by specific equipment

> This section lists the sentence types used by various equipment.
> The format and data included in each sentence type is given in
> section 4.3.

> Eagle AccuNav

> Standard: RMB, RMC, GLL, APB

> Proprietary: PSLIB

> It also pretends it's a Loran, sending LCGLL, as well as

> GPGLL

> Garmin GPS-45 (and probably GPS-40 and GPS-90)

> Standard: BOD, GLL, RTE, RMB, RMC, GGA, GSA, GSV

> Proprietary: PGRME, PGRMM, PGRMZ

> Garmin GPS-65 (and probably GPS-75)

> Standard: BWC, GLL, RMB, RMC, R00, WPL, XTE, VTG

> Proprietary: PGRMM, PGRMZ, PSLIB

> Magellan Trailblazer

> Standard: APB, BWC, GGA, GLL, RMB, RMC, VTG

> Trimble Ensign XL

> Standard: APA, BWC, BWR, GGA, GLL, RMB

```

> Trimble Flightmate Pro and Scoutmaster
>     Standard: APA, APB, BWC, GGA, GLL, GSA, GSV, RMB, RMC,
>               VTG, WCV, XTE, ZTG
>
> Autohelm Seataalk
>     Autohelm Seataalk is a proprietary bus for communications
>     between various instruments. Some of the instruments can act
>     as NMEA-0183 talkers or listeners. Data received from an
>     external NMEA-0183 device will, if Seataalk understands the
>     sentence, be re-transmitted, but not necessarily in the same
>     sentence type.
>
>     The specific sentences sent will depend on the data
>     available on the Seataalk bus (i.e. sentences containing wind
>     speed and direction will only be sent if the system includes
>     a wind instrument)
>
>     Seataalk output:
>     Standard: APB, BPI, BWC, VWR, VHW, DBT, GLL, HDM, HDT, HCS,
>               MTW, VTG
>
>     Seataalk input:
>     Standard: APA, APB, RMB, XTE, XTR, BPI, BWR, BWC, BER,
>               BEC, WDR, WDC, BOD, WCV, VHW, VWR, DBT
>
> 4.3 Sample Sentences Dissected
> 4.3.1 Standard Sentences
>
>     A talker typically sends a group of sentences at intervals
>     determined by the unit's update rate, but generally not more
>     often than once per second.
>
>     Characters following the "*" are a checksum. Checksums are
>     optional for most sentences, according to the standard.
>
>     APB - Autopilot format B
>     APB,A,A,0.10,R,N,V,V,011,M,DEST,011,M,011,M
>         A           Loran-C blink/SNR warning
>         A           Loran-C cycle warning
>         0.10        cross-track error distance
>         R           steer Right to correct (or L for Left)
>         N           cross-track error units - nautical miles
>         V           arrival alarm - circle

```



```

> V arrival alarm - perpendicular
> 011,M magnetic bearing, origin to destination
> DEST destination waypoint ID
> 011,M magnetic bearing, present position to
> destination
> 011,M magnetic heading to steer
> (bearings could be given in True as 033,T)
> (note: some pilots, Roberston in particular, misinterpret
> "bearing
> from origin to destination" as "bearing from present position
> to
> destination". This apparently results in poor performance if
> the
> boat is sufficiently off-course that the two bearings are
> different.)
>
> BOD - Bearing - origin to destination waypoint
> BOD,045.,T,023.,M,DEST,START
> 045.,T bearing 045 True from "START" to "DEST"
> 023.,M bearing 023 Magnetic from "START" to "DEST"
> DEST destination waypoint ID
> START origin waypoint ID
>
> BWC - Bearing and distance to waypoint - great circle
> BWC,225444,4917.24,N,12309.57,W,051.9,T,031.6,M,001.3,N,004*29
> 225444 UTC time of fix 22:54:44
> 4917.24,N Latitude of waypoint
> 12309.57,W Longitude of waypoint
> 051.9,T Bearing to waypoint, degrees true
> 031.6,M Bearing to waypoint, degrees magnetic
> 001.3,N Distance to waypoint, Nautical miles
> 004 Waypoint ID
>
> BWR - Bearing and distance to waypoint - rhumb line
> (format same as BWC)
>
> DBT - Depth below transducer
> DBT,0017.6,f,0005.4,M
> 0017.6,f 17.6 feet
> 0005.4,M 5.4 Metres
>
> GGA - Global Positioning System Fix Data
> GGA,123519,4807.038,N,01131.324,E,1,08,0.9,545.4,M,46.9,M, , *42

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> 123519      Fix taken at 12:35:19 UTC
> 4807.038,N  Latitude 48 deg 07.038' N
> 01131.324,E Longitude 11 deg 31.324' E
> 1           Fix quality: 0 = invalid
>                    1 = GPS fix
>                    2 = DGPS fix
> 08          Number of satellites being tracked
> 0.9         Horizontal dilution of position
> 545.4,M     Altitude, Metres, above mean sea level
> 46.9,M      Height of means sea level above WGS84 geoid
> (empty field) time in seconds since last DGPS update
> (empty field) DGPS station ID number
>
> GLL - Geographic position, Latitude and Longitude
> GLL,4916.45,N,12311.12,W,225444,A
> 4916.46,N   Latitude 49 deg. 16.45 min. North
> 12311.12,W  Longitude 123 deg. 11.12 min. West
> 225444      Fix taken at 22:54:44 UTC
> A          Data valid
> (Garmin 65 does not include time and status)
>
> GSV - Satellites in view
>
> GSV,2,1,08,01,40,083,46,02,17,308,41,12,07,344,39,14,22,228,45*75
> 2           Number of sentences for full data
> 1           sentence 1 of 2
> 08          Number of satellites in view
> 01          Satellite PRN number
> 40          Elevation, degrees
> 083         Azimuth, degrees
> 46          Signal strength - higher is better
> <repeat for up to 4 satellites per sentence>
>           There may be up to three GSV sentences in a data packet
>
> HDM - Heading, Magnetic
> HDM,235.,M
> HDM        Heading, Magnetic
> 235.,M     Heading 235 deg. Magnetic
> (HDG, which includes deviation and variation, is recommended
> instead)
>
> HSC - Command heading to steer
> HSC,258.,T,236.,M

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>          258.,T          258 deg. True
>          236.,M          136 deg. Magnetic
>
>      MTW - Water temperature, Celcius
>      MTW,11.,C
>          11.,C          11 deg. C
>
>      R00 - List of waypoint IDs in currently active route
>
> R00,MINST,CHATN,CHAT1,CHATW,CHATM,CHATE,003,004,005,006,007,,,*05
>      (This sentence is produced by a Garmin 65, but is not listed
>      in Version 2.0 of the standard. The standard lists RTE for
>      this purpose.)
>
>      RMB - Recommended minimum navigation information (sent by nav.
>              receiver when a destination waypoint is active)
>      RMB,A,0.66,L,003,004,4917.24,N,12309.57,W,001.3,052.5,000.5,V*0B
>          A              Data status A = OK, V = warning
>          0.66,L          Cross-track error (miles), steer Left to correct
>          003              Origin waypoint ID
>          004              Destination waypoint ID
>          4917.24,N       Destination waypoint latitude 49 deg. 17.24 min.
> N
>          12309.57,W       Destination waypoint longitude 123 deg. 09.57
> min. W
>          001.3           Range to destination, nautical miles
>          052.5           True bearing to destination
>          000.5           Velocity towards destination, knots
>          V              Arrival alarm A = arrived, V = not arrived
>          *0B            mamdatory checksum
>
>      RMC - Recommended minimum specific GPS/Transit data
>      RMC,225446,A,4916.45,N,12311.12,W,000.5,054.7,191194,020.3,E*68
>          225446          Time of fix 22:54:46 UTC
>          A              Navigation receiver warning A = OK, V = warning
>          4916.45,N       Latitude 49 deg. 16.45 min North
>          12311.12,W       Longitude 123 deg. 11.12 min West
>          000.5           Speed over ground, Knots
>          054.7           Course Made Good, True
>          191194          Date of fix 19 November 1994
>          020.3,E         Magnetic variation 20.3 deg East
>          *68            mandatory checksum
>

```

```

> RTE - Waypoints in active route
>
> RTE,2,1,c,0,W3IWI,DRIVWY,32CEDR,32-29,32BKLD,32-I95,32-US1,BW-32,BW-198*69
> 2 two sentences for full data
> 1 this is sentence 1 of 2
> c c = complete list of waypoints in this route
> w = first listed waypoint is start of current
> leg
> 0 Route identifier
> W3IWI... Waypoint identifiers
>
> VHW - Water speed and heading
> VHW,259.,T,237.,M,05.00,N,09.26,K
> 259.,T Heading 259 deg. True
> 237.,M Heading 237 deg. Magnetic
> 05.00,N Speed 5 knots through the water
> 09.26,K Speed 9.26 KPH
>
> VWR - Relative wind direction and speed
> VWR,148.,L,02.4,N,01.2,M,04.4,K
> 148.,L Wind from 148 deg Left of bow
> 02.4,N Speed 2.4 Knots
> 01.2,M 1.2 Metres/Sec
> 04.4,K Speed 4.4 Kilometers/Hr
>
> VTG - Track made good and ground speed
> VTG,054.7,T,034.4,M,005.5,N,010.2,K
> 054.7,T True track made good
> 034.4,M Magnetic track made good
> 005.5,N Ground speed, knots
> 010.2,K Ground speed, Kilometers per hour
>
> WCV - Waypoint Closure Velocity
> WDC - Distance to Waypoint
> WDR - Waypoint Distance, Rhumb Line
>
> WPL - waypoint location
> WPL,4917.16,N,12310.64,W,003*65
> 4917.16,N Latitude of waypoint
> 12310.64,W Longitude of waypoint
> 003 Waypoint ID
> When a route is active, this sentence is sent once for each
> waypoint in the route, in sequence. When all waypoints have

```

```

>         been reported, GPR00 is sent in the next data set. In any
>         group of sentences, only one WPL sentence, or an R00
>         sentence, will be sent.
>
>     XTE - Cross track error, measured
>     XTE,A,A,0.67,L,N
>         A          General warning flag V = warning
>                     (Loran-C Blink or SNR warning)
>         A          Not used for GPS (Loran-C cycle lock flag)
>         0.67       cross track error distance
>         L          Steer left to correct error (or R for right)
>         N          Distance units - Nautical miles
>
>     XTR - Cross-Track Error - Dead Reckoning
>     XTR,0.67,L,N
>         0.67       cross track error distance
>         L          Steer left to correct error (or R for right)
>         N          Distance units - Nautical miles
>
> 4.3.2 Proprietary Sentences
>
>     The following are Garmin proprietary sentences. "P" denotes
>     proprietary, "GRM" is Garmin's manufacturer code, and "M" or "Z"
>     indicates the specific sentence type.
>
>     $PGRMZ,93,f,3*21
>         93,f       Altitude in feet
>         3          Position fix dimensions 2 = user altitude
>                     3 = GPS altitude
>     This sentence shows in feet, regardless of units shown on the
> display.
>
>     $PGRMM,NAD27 Canada*2F
>         Currently active horizontal datum
>
>     Proprietary sentences to control a Starlink differential beacon
>     receiver. (I assume Garmin's DBR is made by Starlink)
>     $PSLIB,,,J*22
>     $PSLIB,,,K*23
>
>     These two sentences are normally sent together in each group
>     of sentences from the GPS.
>     The three fields are: Frequency, bit Rate, Request Type. The
>     value in the third field may be:

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> J = status request
> K = configuration request
> blank = tuning message
>

> When the GPS receiver is set to change the DBR frequency or
> baud rate, the "J" sentence is replaced (just once) by (for
> example): \$PSLIB,320.0,200*59 to set the DBR to 320 KHz, 200
> baud.
>

> 5. RS-232 connections

> Although this is not really related to NMEA, many people want to
> connect a GPS to a computer, so need to know about the RS-232
> serial ports on a computer.
>

> The RS-232 standard defines two classes of devices that may
> communicate using RS-232 serial data - Data Terminal Equipment
> (DTE), and Data Communication Equipment (DCE). Computers and
> terminals are considered DTE, while modems are DCE. The
> standard defines pinouts for DTE and DCE such that a "straight
> through" cable (pin 2 to pin 2, 3 to 3, etc) can be used between
> a DTE and DCE. To connect two DTEs together, you need a "null
> modem" cable, that swaps pins between the two ends (eg. pin 2 to
> 3, 3 to 2). Unfortunately, there is sometimes disagreement
> whether a certain device is DTE or DCE, hence my standard RS-232
> disclaimer:

> if it doesn't work, swap pins 2 and 3!
>

> The standard RS-232 connector is a 25 conductor DB-25, although
> many PCs (and some other equipment) now use a 9 pin DE-9 (often
> incorrectly called DB-9)
>

> Serial Port Connections

Computer (DTE)					Modem
DB-25	DE-9	Signal	Direction		DB-25
2	3	Tx Data	→		2
3	2	Rx Data	←		3
4	7	Request to send	→		4
5	8	Clear to send	←		5
6	6	Data Set Ready	←		6
7	5	signal ground			7
8	1	Data CarrierDetect	←		8
20	4	Data Terminal Ready	→		20

```

>          22          9      Ring Indicator      ←          22
>
>      For NMEA-0183 interfacing, we are only concerned with Rx Data,
>      signal ground (and possibly Tx Data, if we want the computer to
>      talk to the GPS)
>
> 6.  About the author
>
>      This FAQ was written by:
>          Peter Bennett
>          bennett@triumf.ca
>
>      I have an FTP site containing this file, a GPS FAQ, and other
>      NMEA information files and PC programs for capturing and
>      displaying NMEA data, and related things:
>
>          ftp://sundae.triumf.ca/pub/peter/index.html
>
> 6.1  Acknowledgments
>
>      I would like to thank the following for their contributions
>      or corrections to this document:
>          Tom Clark, clark@tomcat.gsfc.nasa.gov
>          Bob Shearer, t.shearer@unixa.nerc-wallingford.ac.uk
>          David Steckler, davidst@nobeltec.com
>          Karl Olmstead, olmstead@ridgecrest.ca.us
>
> Peter Bennett VE7CEI          | Vessels shall be deemed to be in
> sight
> Internet: bennett@triumf.ca    | of one another only when one can
> be
> Packet: ve7cei@ve7kit.#vanc.bc.ca | observed visually from the other
> TRIUMF, Vancouver, B.C., Canada   |                               ColRegs
> 3(k)
> GPS and NMEA info and programs:
> ftp://sundae.triumf.ca/pub/peter/index.html

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AC8AAAAAAAAAAAAAKRE9HMTkuR0lGAA4KAAIAMQAAAAAAAAAAAAApET0cyMC5HSUYADgoAAgAz
AAAAAAAAAAAAACkRPRzIxLkdJRgAOCgACADUAAAAAAAAAAAAAKRE9HMjIuR0lGAA4KAAIANwAA
AAAAAAAAAAApET0cyMy5HSUYADgoAAgA5AAAAAAAAAAAAACkRPRzI0LkdJRgAOCgACADsAAAAA
AAAAAAAKRE9HMjUuR0lGAA4KAAIAPQAAAAAAAAAAAAApET0cyNi5HSUYADgoAAgA/AAAAAAA
AAACkRPRzI3LkdJRgAOCgACAEAAAAAAAAAAAAAKRE9HMjguR0lGAA4KAAIAQwAAAAAAAAAA
AApET0cyOS5HSUYADgoAAgBFAAAAAAAAAAAAACkRPRzMwLkdJRgAOCgACAEcAAAAAAAAAAAAAK
RE9HMzEuR0lGAA47

-----2816732F26C3--

End of APRSSIG Digest 767

From aprssig@tapr.org Sun Nov 17 00:25:30 1996

Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP

id AA1620 ; Sun, 17 Nov 96 00:02:45 UTC

Received: from tapr.org (localhost [127.0.0.1]) by tapr.org

(8.7.5/8.7.3/1.9) with SMTP id SAA01839; Wed, 13 Nov 1996 18:11:39 -0600
(CST)

Date: Wed, 13 Nov 1996 18:11:39 -0600 (CST)

Message-Id: <Pine.3.89.9611131902.A10886-0100000@abcfreenet.seflin.lib.fl.us>

Reply-To: aprssig@tapr.org

Originator: aprssig@tapr.org

Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6369] APRSSIG digest 766
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Content-Type: TEXT/PLAIN; charset=US-ASCII
MIME-Version: 1.0
In-Reply-To: <199611112137.NAA25395@dfw-ix4.ix.netcom.com>
Content-Transfer-Encoding: quoted-printable
Status: R

APRSSIG Digest 766

Topics covered in this issue include:

- 1) Fw: GPS-20
by "Matthew Kolade" <kolade@algonet.se>
- 2) Fw: GPS20
by "Matthew Kolade" <kolade@algonet.se>
- 3) Re: file transfer question
by Mark Sproul <sproul@ap.org>
- 4) Re: Southeast Digi's
by Gary Arnold <garnold@naples.net>
- 5) Re: Southeast Digi's
by Bob Bruninga <bruninga@nadn.navy.mil>
- 6) Re: DLG Based Packet Location System -Reply
by Gerald J Creager <gerry@cs.tamu.edu>
- 7) Re: two digi's on one antenna
by stanzepa@usa.nai.net (stan horzepa)
- 8) Re: file transfer question
by John M Dombkowski <wendysue@global2000.net>
- 9) Re: APRS, DPGS, etc.
by Gerald J Creager <gerry@cs.tamu.edu>
- 10) Re: HF/VHF Gateway and DSP-2232
by nickart@midtenn.net (Nicholas R. Smith)
- 11) GPS 20 - ???
by "Alan K. Unangst" <alanwc7r@primenet.com>
- 12) Re: file transfer question
by dougwe@ccintnet.wrq.com
- 13) Re: file transfer question
by rkramer@merge1.mergetel.com (Ronald Kramer)

- 14) [Q] KPC-3
by "Benjamin K. Derry" <derryb@gailesburg.net>
- 15) Re: APRS, DPGS, etc.
by Robert Kirk <kirk@neptune.gsfc.nasa.gov>
- 16) Re: GPS 20 - ???
by Robert Winingham <kc5ejk@onramp.net>
- 17) Re: file transfer question
by John M Dombkowski <wendysue@global2000.net>
- 18) APRS and NWS Question #3
by John M Dombkowski <wendysue@global2000.net>
- 19) [Fwd: Help on APRS with KAM+]
by Doug Wetzel <dougwe@wrq.com>
- 20) KPC3+GPS for mobile
by Robert Winingham <kc5ejk@onramp.net>
- 21) Re: APRS, DPGS, etc.
by dougwe@ccintnet.wrq.com
- 22) GARMIN GPS45XL Data Cable
by jud <judlynn@norfolk.infi.net>
- 23) Re: GPS 20 - ???
by CHEAD@CESADM.CORP.ti.com
- 24) Re: [Q] KPC-3
by byoung@qni.com
- 25) Re: GPS Antennas for the Garmin GPS
by dennis@zone5.com (Dennis Hudson)
- 26) help needed for CalComp 2500 Digitizer
by Bob Derderian <n2iph@cyberenet.net>
- 27) Re: Confused and/or missing something
by John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
- 28) Re: help
by John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>

Date: Wed, 13 Nov 1996 09:47:10 -0800
From: "Matthew Kolade" <kolade@algonet.se>
To: <aprssig@tapr.org>
Subject: Fw: GPS-20
Message-ID: <199611130849.JAA01993@aratatosk.algonet.se>

> From: Matthew Kolade <kolade@algonet.se>

> To: k1trs@msn.com
> Subject: GPS-20
> Date: den 8 november 1996 21:02
>=20
> Thanks Bill for your response.
> I have to be frank with you. I will say I don't know anything about
radio
> communication, but I am willing to learn. First I had a little
instruction
> to install the interface cable between serial port and GPS-20. Please I
> will like a diagram and little explanation of it.
> And I would like to know which of the software I can use with GPS-20..
My
> aim is to communicate with satellite.
> =20
> Matthew Kolade
> Victory Int'l Reklam
> Fyrkl=F6versgatan 22, 417 21 G=F6teborg,
> Sweden
> E-MAIL: kolade@algonet.se
>=20

Date: Wed, 13 Nov 1996 09:47:18 -0800
From: "Matthew Kolade" <kolade@algonet.se>
To: <aprssig@tapr.org>
Subject: Fw: GPS20
Message-ID: <199611130849.JAA02002@aratatosk.algonet.se>

> From: Matthew Kolade <kolade@algonet.se>
> To: scott miller <scottm@telis.org>
> Subject: Re: GPS20
> Date: den 8 november 1996 21:56
>=20
> Hello Scott
> Thanks for your response. You sound like I cannot use GPS-20 alone
> without installing it with any other radio communication. If so, I must
> have to get one TNC. My problem is I know nothing about radio

communication

> but I am willing to learn.
> Please I would like to have a brief diagram and instructions on how to
> install the cable interface between serial port and GPS-20. I would al=
so
> like to know which software to use with GPS-20. My aim is to
> communicate with satellite.
> Thanks=20
>=20
> Matthew.
> -----
> > From: scott miller <scottm@telis.org>
> > To: matthew <kolade@algonet.se>
> > Subject: GPS20
> > Date: den 6 november 1996 19:40
> >=20
> > Matthew I have two GPS20's. I've installed one in ma TNC and the othe=
r
> > I am mounting in a box with a MIM module.but the first thing I did
> > was hook them to the laptop and do GPS-plots from aprs and that other=
=20
> > GPS Qbasic program that coimes with APRS .
> > What would u like to do with your GPS20?
> > Are you running APRS over there? And what kind of TNC do you have?
> > I'll try to help if I can . 73 Scott Miller KE6RKE from
> > Lake Tahoe,Ca.USA
> >=20

Date: Wed, 13 Nov 1996 08:31:29 -0500
From: Mark Sproul <sproul@ap.org>
To: aprssig@tqpr.org
Subject: Re: file transfer question
Message-ID: <v03007801aef7dd4f8c5a[165.1.27.20]>

>when we do certain aspects of public service we would want to transfer a
>list of names or something like that. Other times we would want to make
>announcements. My problem is that I'm not sure what we want exactly. I
>think thats why I'm interested in the experiences of some of the members
>of the group as to what works and what doesn't. I think that info will

>help me to decide what we NEED to do. I'm not trying to be difficult.
>We of course what to provide a means for the various emergency
>organizations to gather and distribute information via amateur radio
>digital modes.
>
>John

Keith and I working on some ideas for file transfer in Mac/WinAPRS, we don't have them finalized yet and before we implement anything we have to discuss it with Bob, but we have been working on ideas for this. I have several ideas in mind that will be of significant benefit to people working with weather.

Mark

-----=
-
Mark Sproul |Amateur Radio: KB2ICI
Software Engineer @ Assoc Press |
sproul@ap.org |Work: 609-860-7120
North Brunswick, NJ |Fax: 609-860-7129
<http://msproul.rutgers.edu/>
-----=
-

Date: Wed, 13 Nov 1996 13:43:30 -0800
From: Gary Arnold <garnold@naples.net>
To: aprssig@tapr.org
Subject: Re: Southeast Digi's
Message-ID: <328A4102.4317@naples.net>

Andrew C. Middlebrooks wrote:

>=20
> Trying to compile list of permanent DIGI's located in Southeastern states
>=20

> Anyone willing to contribute info-Please reply with call & location as =
you know it or that

> you catch on your map as a digi to: kf4xh@juno.com

>=20

> Thanks in advance

>=20

> Andy KF4XH

> Byron, Peach Co. Ga

Naples, FL: WB2WPA-3 26-07-23 81-45-58 100 watt ERP @ 160 feet=20
(WIDE-RELAY-WX)

Ochopee, FL: KG5QD-3 25-53-44 81-16-52 100 watt ERP @ 100 feet
(WIDE-RELAY)=09

73,

Gary WB2WPA

--=20

Gary Arnold CEM

Coordinator, Collier County (FL) Emergency Management

garnold@naples.net

76656.2753@compuserve.com

[Packet radio] wb2wpa@wb2wpa.#nap.fl.usa.noam

EM pages: "<http://www.naples.net/govern/county/emrgmt/zccem1.htm>"

Personal page: "<http://www.naples.net/govern/county/emrgmt/garnold.htm>"

"I went to a restaurant that serves 'breakfast at any time'. I ordered=20
French Toast during the Renaissance."

-- Steven Wright, peripheral visionary

Date: Wed, 13 Nov 1996 09:34:18 -0500 (EST)

From: Bob Bruninga <bruninga@nadn.navy.mil>

To: aprssig@tapr.org

Subject: Re: Southeast Digi's

Message-ID: <Pine.GS0.3.95.961113093037.1972A-100000@arctic>

On Tue, 12 Nov 1996, Andrew C. Middlebrooks wrote:

> I'm Trying to compile a list of permanent DIGI's in the Southeast

APRSdos REPLY/COMMENT: I hope you have loooked, and replayed DIGI-SE.bk.
When you get your data, plese send it to me so I can update DIGI-SE.bk fo=
r
everyone else... These files DIGI-E, SE and W should be the single and
best source of such info, but getting people to send me the info is like
pulling teeth, hi hi..

SEND ME ONLY CHANGES, however, I dont have time to search and compare
lists...

Reply mail addr: wb4apr@amsat.org =20
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Wed, 13 Nov 1996 08:43:32 -0600 (CST)
From: Gerald J Creager <gerry@cs.tamu.edu>
To: aprssig@tapr.org
Subject: Re: DLG Based Packet Location System -Reply
Message-ID: <199611131443.IAA14769@solar.cs.tamu.edu>

Jim Olsen sez:

>=20

> On the USGS thing, I agree many of the maps are out of date, but many
> counties keep up to the minute versions in their GIS programs, which
> will all output standard format DLG. I know our county does. If nothi=
ng
> else, the rivers/topo/major roads don't change too much, so it is a gre=
at
> starting place for covering most of the country right out of the chute.=
=20

Arc and Intergraph will (fairly) painlessly export to OPTIONAL format DLG=
, but
at lease ARC 7.0 won't give us STANDARD format DLG. I've not looked to e=
xport
much from Intergraph MGE but I'll look today, since I've gotta finish a G=
IS
for the meeting in Denver (where I'll be talking about APRS to the GIS

community...)

Jim, I'll be re-visiting your original post and developing e-mail comments after the meeting.

73, gerry
n5jxs@tamu.edu

Date: Wed, 13 Nov 1996 09:56:35 -0500
From: stanzepa@usa.nai.net (stan horzepa)
To: aprssig@tapr.org
Subject: Re: two digi's on one antenna
Message-ID: <v01540b02aeaf82fd61fca[206.98.48.234]>

On Tue, 12 Nov 1996, Bill Northup wrote:

> I would also like feedback from those in New England to get a feel for how
> wide the coverage really is. So if you see N1QPR-2 let me know. Tomorrow
> we will make this the WIDE for the Boston area and change another
> local digi, N1CPE-2 to RELAY.

N1QPR-2 is on my map this morning. I'm hearing it via one WIDE. No sign of
N1CPE-2.

Stan, WA1LOU

Date: Wed, 13 Nov 1996 10:01:04 -0500
From: John M Dombrowski <wendysue@global2000.net>
To: aprssig@tapr.org
Subject: Re: file transfer question
Message-ID: <3289E2B0.718Ea@global2000.net>

Mark Sproul wrote:

>=20

> >when we do certain aspects of public service we would want to transfer=
a

> >list of names or something like that. Other times we would want to mak=
e

> >announcements. My problem is that I'm not sure what we want exactly. =
I

> >think thats why I'm interested in the experiences of some of the membe=
rs

> >of the group as to what works and what doesn't. I think that info will

> >help me to decide what we NEED to do. I'm not trying to be difficult.

> >We of course what to provide a means for the various emergency

> >organizations to gather and distribute information via amateur radio

> >digital modes.

> >

> >John

>=20

> Keith and I working on some ideas for file transfer in Mac/WinAPRS, we =
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> have them finalized yet and before we implement anything we have to dis=
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> it with Bob, but we have been working on ideas for this. I have severa=
l

> ideas in mind that will be of significant benifit to people working wit=
h

> weather.

>=20

> Mark

>=20

> -----=

> Mark Sproul |Amateur Radio: KB2ICI

> Software Engineer @ Assoc Press |

> sproul@ap.org |Work: 609-860-7120

> North Brunswick, NJ |Fax: 609-860-7129

> http://msproul.rutgers.edu/

> -----=

Thanks Mark! I don't think it's said enough but guys like you and your=20
brother and Bob are doing a fine thing for the rest of us and I for one=20
appreciate all of your hard work and dedication.=20

Keep up the good work guys!

73

John N20JY

Date: Wed, 13 Nov 1996 09:18:29 -0600 (CST)
From: Gerald J Creager <gerry@cs.tamu.edu>
To: aprssig@tapr.org
Subject: Re: APRS, DPGS, etc.
Message-ID: <199611131518.JAA15768@solar.cs.tamu.edu>

Randy,

My take on it is, it's packet, it's a service to local amateurs (eg., QST=
).=20
Therefore, with appropriate ID'ing it could go wherever the APRS activit=
y is.

I'll be putting up a DPGS beacon here in College Station, Texas, but it'l=
l be
on commercial freq's... because that's where the folks paying for it are =
doing
AVL work. Still and all, I'll be publishing the frequency and possibly
splitting off the feed to a 145.79 transmitter sometime in the future.

73, gerry

--=20

Gerry Creager	N5JXS	* SAREX Co-Investigator	=20
gerry@cs.tamu.edu		* A little radio that lets kids	=
talk		* to astronauts, and smile	

Date: Wed, 13 Nov 1996 11:24:51 GMT
From: nickart@midtenn.net (Nicholas R. Smith)

To: aprssig@tapr.org
Subject: Re: HF/VHF Gateway and DSP-2232
Message-ID: <199611131124.LAA19748@sneezy.midtenn.net>

>I am considering implementing an HF/VHF Gateway using my AEA DSP-2232.
>The manual talks about crossband CONNECTIONS but does not discuss
>crossband digipeating.
>
>Has anyone set up such a configuration? How did you set the parameters?
>--=20
>Ron W5RKN
>
>also:
>rparsons@bga.com
>
>

Dear Ron:

I am using a DSP 2232 on gateway and it works fine. Just follow the instructions on setting the gate way under unproto. Use the "U" command = and set to Bob's instructions. Set the MYGATE to GATE and it will gateway HF= to VHF. Works well and if you have any more questions let me know.

Thanks
Nick Smith WA4GKM

Editor - "Amateur Radio Trader"
Chief Pilot - Consultant - "Trade-A-Plane"

e-mail wa4gkm@amsat.org
800-774-2623 voice
800-423-9030 fax

Date: Wed, 13 Nov 1996 09:23:44 -0700
From: "Alan K. Unangst" <alanwc7r@primenet.com>
To: aprssig@tapr.org
Subject: GPS 20 - ???
Message-ID: <2.2.32.19961113162344.0068c8b8@mailhost.primenet.com>

I was with a friend, WB7ULN, over the weekend and he was really taken with
GPS. I told him about TAPR's GPS 20 purchase and he is quite interested. =
I
would appreciate the particulars.....how much, where to order, etc.

In advance. THANKS,=20

Alan

Alan K. Unangst, WC7R
E-mail: alanwc7r@primenet.com
Amateur Radio Packet: WC7R @ KB7FRV

Date: Wed, 13 Nov 96 08:22:44 PST
From: dougwe@accintnet.wrq.com
To: aprssig@tapr.org
Subject: Re: file transfer question
Message-ID: <9610138479.AA847902291@accintnet.wrq.com>

John, you probably want to set up tcp/ip on a separate frequency for that=
.. IP=20
is an outstanding choice for file transfers - you can request multiple fi=
les at=20
once with the mget command, and the link will auto recover without a whol=
e lot=20
of operator intervention.

I strongly suggest you do it at 9600 or above, though. 1200 does work, b=
ut it's
painfully slow.

73,
Doug
K7IP

To The Authors'
=20

Can you guys tell me about the file transfer capabilities of the various=20

versions of APRS. Not only do we have a relationship with NWS but we=20
have, after many years of trying, finally developed a relationship with=20
our new county emergency manager and the local hospitals. They all=20
express an interest in our digital capabilities but their interest seems=20
to be in the transfer of things like lists of thinks.

=20

TNX

=20

John N20JY

=20

Date: Wed, 13 Nov 1996 17:50:55 GMT
From: rkramer@mergetel.com (Ronald Kramer)
To: aprssig@tapr.org
Subject: Re: file transfer question
Message-ID: <328a0998.2458058@mail.mergetel.com>

On Wed, 13 Nov 1996 07:56:52 -0600 (CST), you wrote:

>

>>when we do certain aspects of public service we would want to transfer =
a

>>list of names or something like that. Other times we would want to make
>>announcements. My problem is that I'm not sure what we want exactly. I
>>think thats why I'm interested in the experiences of some of the member=
s

>>of the group as to what works and what doesn't. I think that info will
>>help me to decide what we NEED to do. I'm not trying to be difficult.
>>We of course what to provide a means for the various emergency
>>organizations to gather and distribute information via amateur radio
>>digital modes.

>>

>>John

>

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>have them finalized yet and before we implement anything we have to disc=
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>it with Bob, but we have been working on ideas for this. I have several
>ideas in mind that will be of significant benifit to people working with

>weather.
>
>
>Mark
>
>-----=
--
>Mark Sproul |Amateur Radio: KB2ICI
>Software Engineer @ Assoc Press |
>sproul@ap.org |Work: 609-860-7120
>North Brunswick, NJ |Fax: 609-860-7129
>http://msproul.rutgers.edu/
>-----=
--
>

Am I missing the point of APRS, position reporting of mobiles, bases
and wx reports and one line emergency traffic.

Will not File transfers kill the aprs frequency altogether, I think
that this type of transfers should be left to regular packet
frequencies using regular bbs's etc not on APRS, its starting to get
more than 100% in this area all the time now.

I guess I better put my flame suit on...
Just my opinion

73 de Ron Best Regard
Email: rkramer@mergetel.com ve3mx@mergetel.com
Packet: ve3mx@ve3snp

Date: Wed, 13 Nov 1996 11:07:11 -0600
From: "Benjamin K. Derry" <derryb@galesburg.net>
To: aprssig@tapr.org
Subject: [Q] KPC-3
Message-ID: <199611131707.LAA30493@adialup1.galesburg.net>

Hi I have a KPC-3 and wanted to know what is the newest ROM version. I ha=
ve=20
5.1 and it doesn't seem to have the APRS mode.

Thanks,
Ben

Date: Wed, 13 Nov 1996 11:44:20 -0500
From: Robert Kirk <kirk@neptune.gsfc.nasa.gov>
To: aprssig@tapr.org
Subject: Re: APRS, DPGS, etc.
Message-ID: <2.2.32.19961113164420.0087ee24@neptune.gsfc.nasa.gov>

At 19:01 11/12/96 -0600, Bob Bruninga <bruninga@nadn.navy.mil> wrote:
>On Tue, 12 Nov 1996, Randy Hammock wrote:
>
>> I have been thinking of getting the JPL Amateur Radio Club to do
>> something similar to what Tom Clark W3IWI is doing, providing DGPS
>> signals in th Los Angeles area. Our club trustee thinks it is a great
>> idea; however, he has expressed concerns over how this fits in under t=
he
>> Part 97 rules. He feels that it should go somewhere in the beacon ban=
d
>
>APRSdos REPLY/COMMENT: Many people would probably agree that permanent
>such installations would raise some eyebrows. Certainly in the long run
>if this were perceived as a "service". [...]
>

I think we can assume the eyebrows will stay pretty flat. No one
has objected to such permanent installations as, say, weather stations
cranking out over APRS, and that's a pretty nice service. I think
we're ok. Hate to be told to turn off those Ultimeters & Davis'.
Beacons on APRS are pretty well accepted, and after all, dgps
is closer to AP(osition)RS than AW(eather)RS.

Bob Kirk
N3OZB

Date: Wed, 13 Nov 1996 11:39:09 -0600
From: Robert Winingham <kc5ejk@onramp.net>
To: aprssig@tapr.org
Subject: Re: GPS 20 - ???
Message-ID: <v03007800aeafb4cbf194a[199.1.11.113]>

>I was with a friend, WB7ULN, over the weekend and he was really taken wi=
th
>GPS. I told him about TAPR's GPS 20 purchase and he is quite interested.=
I
>would appreciate the particulars.....how much, where to order, etc.

Check out www.tapr.com it is ALL there.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org --- =20

Date: Wed, 13 Nov 1996 12:38:52 -0500
From: John M Dombrowski <wendysue@global2000.net>
To: aprssig@tapr.org
Subject: Re: file transfer question
Message-ID: <328A07AC.271C@global2000.net>

Ronald Kramer wrote:

>=20

> On Wed, 13 Nov 1996 07:56:52 -0600 (CST), you wrote:

>=20

> >

> >>when we do certain aspects of public service we would want to transfe=
r a

> >>list of names or something like that. Other times we would want to ma=
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> >>announcements. My problem is that I'm not sure what we want exactlly.=
I

> >>think thats why I'm interested in the experiences of some of the memb=
ers

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1
> >>help me to decide what we NEED to do. I'm not trying to be difficult.
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> >>John
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> >
> >
> >Mark
> >
>=20
> -----=
--
> >Mark Sproul |Amateur Radio: KB2ICI
> >Software Engineer @ Assoc Press |
> >sproul@ap.org |Work: 609-860-7120
> >North Brunswick, NJ |Fax: 609-860-7129
> >http://msproul.rutgers.edu/
>=20
> -----=
--
> >
> Am I missing the point of APRS, position reporting of mobiles, bases
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>=20
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> frequencies using regular bbs's etc not on APRS, its starting to get
> more than 100% in this area all the time now.
>=20
> I guess I better put my flame suit on...
> Just my opinion

```

>=20

> 73 de Ron

Best Regard

> Email: rkramer@mergetel.com ve3mx@mergetel.com

> Packet: ve3mxave3snp

Hi Ron=20

I'm just trying to determine the overall capabilities.

John

Date: Wed, 13 Nov 1996 12:49:28 -0500

From: John M Dumblewski <wendysue@global2000.net>

To: aprssig@tapr.org

Subject: APRS and NWS Question #3

Message-ID: <328A0A28.4028a@global2000.net>

Hi All=20

Thanks to all for your input...

Ok lets pretend I'm NWS and I don't have a clue about this APRS stuff.=20

Give me the "pitch" as to why I should have this system. You know=20

"features and benifits".=20

I very much appreciate the input so far but I think everyone is=20

assumming I know more that I do. This is one of those "Keep It Simple=20

Stupid" kind of situations. No one has articulated the reason that APRS=20

is so well suited to the emergency communications arena.

John

Date: Wed, 13 Nov 1996 09:59:35 -0800

From: Doug Wetzel <dougwe@wrq.com>

To: aprssig@tapr.org

Subject: [Fwd: Help on APRS with KAM+]

Message-ID: <328A0C87.808awrq.com>

This is a multi-part message in MIME format.

-----31B91C2ACF9

Content-Type: text/plain; charset=3Dus-ascii

Content-Transfer-Encoding: 7bit

Can someone with a KAM please respond to this fellow via email? =20

Thanks!

Doug

K7IP

-----31B91C2ACF9

Content-Type: message/news

Content-Transfer-Encoding: 7bit

Content-Disposition: inline

Path: wrq.com!netnews.nwnet.net!arclight.uoregon.edu!feed1.news.erols.com=
!news

From: dwthomas@erols.com (David Wm. Thomas)

Newsgroups: rec.radio.amateur.digital.misc

Subject: Help on APRS with KAM+

Date: Tue, 12 Nov 1996 23:16:57 GMT

Organization: Erol's Internet Services

Message-ID: <56b0k7\$adlaboursy.news.erols.com>

NNTP-Posting-Host: war-as1s09.erols.com

X-Newsreader: Forte Free Agent 1.0.82

I am trying to get my KAM+ working with APRS, Version 7.4. I have tried older versions and and they all do the same. I am trying to get it to go into the HF mode. The software receives the packets and everything fine, it just won't transmit. Do I have to have my VHF radio hooked up with it also? The VHF part seems to work just fine. I have tried the ALT-S, the Controls menu and setting up 2 port and selecting HF also. When I hit the tab key, the screen says 2*HF. I have tried just HF and nothing else seems to work. When I try to send a beacon, the screen says ..transmitting... but nothing happens. I am using a ICOM 738 and it works with the KAM+ fine with all other software, like Hostmaster and others. I noticed that if I go into the Operations menu and athen into the cmd. mode, I can set the beacon to

transmit every 1 minute, and the HF rig does transmit packets, although I don't know what they are, I assume that it is the beacon. Then I can go back and shut off the beacon. and everything continues the same. Am I missing something? Can I use the APRS software just with the HF rig?

Dave, K3MWT

-----31B91C2ACF9--

Date: Wed, 13 Nov 1996 12:28:34 -0600
From: Robert Winingham <kc5ejk@onramp.net>
To: aprssig@tapr.org
Subject: KPC3+GPS for mobile
Message-ID: <v03007801aeafba3a3860@[199.1.11.153]>

>Does anyone have the complete setting for a KPC3+GPS for mobile.
>I need to see if the perms are set correctly on my Mobile unit.
>I have the GPS and KPC3 running in the auto but I see the data being
>sent out but the \$GPGGA always shows the same data and is not updating.
>Help

Subject changes from 'APRS and the NWS" to KPC3+GPS for mobile

If the DOSaprs doc file KPC3.txt needs more setting information to understand how to use the GPS mode let me or BOB know and it can be updated.

If you are only going to output one NMEA value try \$GPRMC.
Good news it that the KPC-3 can output four different NMEA types.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org --- =20

Date: Wed, 13 Nov 96 10:36:38 PST
From: dougwe@accintnet.wrq.com
To: aprssig@tapr.org
Subject: Re: APRS, DPGS, etc.
Message-ID: <9610138479.AA847910373@accintnet.wrq.com>

I've just noticed that my configuration example files don't include=20
anything on Peet and Davis remotes (WX station and tnc only, no=20
colocated APRS). Would anyone who operates these mind please sendin=
g=20
me pinouts and command strings to get them working? Private email i=
s=20
best...I'm compiling a "help" manual for our local folk..
=20
Thanks!
=20
Doug
K7IP
dougwe@wrq.com

Date: Wed, 13 Nov 1996 15:03:15 -0500 (EST)
From: jud <judlynn@norfolk.infi.net>
To: aprssig@tapr.org
Subject: GARMIN GPS45XL Data Cable
Message-ID: <199611132003.PAA21045@mh004.infi.net>

I have been using the Garmin Data Cable to connect my GPS45XL to my KPC-
3.
The only problem with that is the power pin is not connected and you must
use the units batteries. I just received a Power/Data cable from GARMIN a=
nd
I now have external power going to the GPS45XL. I was wondering if the r=
ed
wire for power might be in the Data cable but just not connected to the 9
pin plug. I tried finding it by sticking a needle in the cable and using=
a
multi-meter, no luck. I then cut the plug off and had a good look see. I=

ts

not there. I installed a new plug and it is as good as new. Just a tip,
don't cut the plug off the Data cable looking for the power wire. 73, Jud

)) (((((

) _ _ (

[o o]

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Jud French, KE4HFX

judlynn@norfolk.infi.net

=20

=3D=
=3D=
=3D=

5423 Barnhollow Rd.

Norfolk, VA 23502-3604

Date: Wed, 13 Nov 1996 14:12:31 -0600 (CST)

From: CHEADaCESADM.CORP.ti.com

To: aprssig@tapr.org

Subject: Re: GPS 20 - ???

Message-ID: <961113141231.2a600a32aCESADM.CORP.TI.COM>

Bob wrote:

snip...

>

>Check out www.tapr.com it is ALL there.

>

>73

>

>Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org --- =20

except that it should be "www.tapr.org"! Close, however...

73 Claude

K5DTN

chead@cesadm.corp.ti.com (new e-mail address)

Date: Wed, 13 Nov 1996 16:20:12 -0600 (CST)
From: byoung@qni.com
To: aprssig@tapr.org
Subject: Re: [Q] KPC-3
Message-ID: <199611132220.QAA22522@ultra.qni.com>

On Wed, 13 Nov 1996, "Benjamin K. Derry" <derryb@galesburg.net> wrote:
>Hi I have a KPC-3 and wanted to know what is the newest ROM version.=20
>I have 5.1 and it doesn't seem to have the APRS mode.
>Thanks,
>Ben

Ben,

What you're probably referring to is "built-in GPS capability". That=20
code is in the version 6.0 ROM, which I believe is the current=20
revision. You don't *need* the current ROM to run APRS with a PC,=20
only if you plan to build a "stand-alone tracker" that will interface=20
the TNC and the GPS directly. Version 5.1 works fine for a QTH or=20
even a mobile that interfaces the TNC and GPS through a computer. =20
That said, you can obtain the upgrade ROM from Kantronics for a=20
reasonable fee (around \$29-\$39 if I remember correctly...). Check out=20
Kantronics WWW site for additional info (<http://www.kantronics.com>).

Bill Young
byoung@qni.com
KB0UZQ

Date: Wed, 13 Nov 1996 17:29:21 -0500
From: dennis@zone5.com (Dennis Hudson)
To: aprssig@tapr.org
Subject: Re: GPS Antennas for the Garmin GPS
Message-ID: <v01540b04aeaffb0df14e@[205.247.145.86]>

>The paccomm active antenna for about 50 bucks (really a Trimble), is a
>steal. It performs perfectly with the 40. You do have to put on your own
>bnc...it comes with an SMB or SMA (can't keep them straight). Lots of
>people I know are using it and Gwynn is providing them to the amateur

I really enjoy my antenna. I think the connector is a SMC which is even worse.

-dennis N2LBT

Dennis J. Hudson dennis@zone5.com
Manager, IS Zone 5 Prepress
8 Corporate Circle Albany, NY 12203
518 464-2800 518 456-8312 (fax)

Date: Wed, 13 Nov 1996 17:46:52 -0500
From: Bob Derderian <n2iph@cyberenet.net>
To: APRS dicussion group <aprssig@tapr.org>
Subject: help needed for CalComp 2500 Digitizer
Message-ID: <328A4FDC.7A61@cyberenet.net>

Hello All,

I have a CalComp 2500 digitizer that I would like to use for making local maps, but am not able to get the tablet communicating with the computer 'cause I do not have the manual for it and do not know how to use the built-in menu system of the tablet to configure it.

I went to the CalComp website and have the latest drivers and have them installed per instruction, except for the section that says the tablet needs to be set to a particular mode and refers one to "see the manual".

Anyone have a manual for the 2500, my model is a 25183, built in=20 Aug, 1988. Is there an overlay that has the menu commands on it? When I go into Setup from the menu bar at the top of the tablet, and then click on the tablet active area below each of the menu headings, things change in the configuration of the tablet but without the overlay I have no idea of what I am changing.

I tried opening a dumb terminal window to monitor the comm port and see if anything was fed out on the port when making configuration changes but see nothing.

Any help or path to a known source for manual and/or overlay would be appreciated.

TNX, Bob

Date: Wed, 13 Nov 1996 18:53:30 -0500 (EST)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
To: aprssig@tapr.org
Subject: Re: Confused and/or missing something
Message-ID: <Pine.3.89.9611112138.A23380-0100000@bcfreenet.seflin.lib.fl.us>

This can't, of course, be just any old TNC. It must be a 1200 bps=20 VHF/UHF type that 'recognizes' the NMEA string sent out the serial line=20 of the TNC. There are many on the market, such as the Kantronics KPC3,=20 the Picopacket by PacComm, and even the AEA PK96 and many others. Just=20 any old TNC may not do the job.

The TNC must be set up ahead of time with a terminal or computer to=20 operate with the GPS. Once all this is done you can bundle it together=20 with your GPS and your radio.

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

On Mon, 11 Nov 1996, David McCarthy wrote:

> Dayglo wrote:
>=20
> > I want to take my spare radio (HTX-202) and a
> > GPS receiver (Probbably the TAPR GPS 20) and place it in my car. I do= not
> > have a spare computer or TNC for this so I was wondering if this poss= ible
> > without a computer/TNC? =20
>=20
> You have to have a TNC to packetize your data. You can then set it up
> with your computer/software, then disconnect for a stand alone tracker.

> --=20
> David McCarthy - KC7AYX - Motorola Amateur Radio Club of AZ
> email: davidmc@goodnet.com packet: kc7ayx@kc7y.az.usa.noam
> Visit the family homepage: <http://www.goodnet.com/~davidmc/>
> "As for me and my house, we will serve the Lord." Jos 24:15
>=20

Date: Wed, 13 Nov 1996 19:08:25 -0500 (EST)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
To: aprssig@tapr.org
Subject: Re: help
Message-ID: <Pine.3.89.9611131902.A10886-0100000@bcfreenet.seflin.lib.fl.us>

Do you see anything coming in view on the bottom line? Text? Station=20
calls? If not, then check your 'system', meaning com: port, baud rate,=20
etc. If you do see stuff coming on the bottom of the screen then let us=20
know.

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

On Mon, 11 Nov 1996, Barbara A. Urban wrote:

> Can anyone give me any hints or sugestions.Can't seem to see any other=20
> stations on the map screen.Everything else appears to be working=20
> ok.Have KPC-3 Kantronics TNC,486 computer,aprs77d program.Thanks.
> Rich
>=20

End of APRSSIG Digest 766

From aprssig@tapr.org Sun Nov 17 00:52:13 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP

id AA1621 ; Sun, 17 Nov 96 00:25:54 UTC
Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id PAA18713; Tue, 12 Nov 1996 15:51:13 -0600
(CST)
Date: Tue, 12 Nov 1996 15:51:13 -0600 (CST)
Message-Id: <199611122144.QAA01986@blackdog.sw.stratus.com>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6319] APRSSIG digest 764
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Content-Type: text
X-Mailer: ELM [version 2.4 PL20]
Status: R

APRSSIG Digest 764

Topics covered in this issue include:

- 1) Re: aprs77d prob.
by William Nolle <wa8inz@concentric.net>
- 2) Re: DLG Based Packet Location System
by Chris Dapples <ccdapple@wtp.net>
- 3) Re: nodes
by Bob Bruninga <bruninga@nadn.navy.mil>
- 4) Re: aprs77d prob.
by Bob Bruninga <bruninga@nadn.navy.mil>
- 5) Re: help
by Bob Bruninga <bruninga@nadn.navy.mil>
- 6) Re: aprs77d prob.
by Richard Amirault <amirault@laraby.tiac.net>
- 7) Re: Vacation Auto-Reply for APRS
by Richard Amirault <amirault@laraby.tiac.net>
- 8) Thanx for all the info
by Dayglo <dayglo@radix.net>
- 9) RE: 3-D Maps
by Steve Childress <stevech@pacbell.net>
- 10) Re: APRS and the NWS
by Doug Wittich <dwittich@concentric.net>

- 11) Re: Win95 vs Win3.1 development
by Mark Sproul <sproul@ap.org>
- 12) Thanks to Bob, Barbara, Arte, and Jack
by ke6nyt@fishnet.net (Dan Dicke)
- 13) registration info
by BRETSKI <bapastorm.atms.purdue.edu>
- 14) Re: Vacation Auto-Reply for APRS
by Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
- 15) HF/VHF Gateway and DSP-2232
by "Ronald G. Parsons" <w5rkn@amsat.org>
- 16) Re: registration info
by Randy Hammock <hammock@wired.jpl.nasa.gov>
- 17) Re: APRS and the NWS
by "Sam Nabkey, WJ8T/P" <snabkey@wingsbbs.com>
- 18) (no subject)
by Tony Sammartino <tony@pepperwhite.com>
- 19) Re: Vacation Auto-Reply for APRS
by Bob Bruninga <bruninga@nadn.navy.mil>
- 20) Re: registration info
by Bob Bruninga <bruninga@nadn.navy.mil>
- 21) Re: Vacation Auto-Reply for APRS
by Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
- 22) Re: registration info
by Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
- 23) Re: APRS and the NWS
by David & Roxanne McCarthy <davidmc@goodnet.com>
- 24) Re: APRtrak Keps
by Bob Bruninga <bruninga@nadn.navy.mil>
- 25) APRS and the NWS message #2
by John M Doblewski <wendysue@global2000.net>
- 26) Re: APRS and the NWS
by John M Doblewski <wendysue@global2000.net>
- 27) Re: Vacation Auto-Reply for APRS
by Bob Bruninga <bruninga@nadn.navy.mil>
- 28) Re: APRS and the NWS
by Tom Fleming N9SZF <n9szf@skywarn.cs.wisc.edu>
- 29) Re: APRS and the NWS message #2
by Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
- 30) two digi's on one antenna
by Bill Northup <northup@sw.stratus.com>

Date: Mon, 11 Nov 1996 17:09:15 -0800
From: William Nolle <wa8inz@concentric.net>
To: aprssig@tapr.org
Subject: Re: aprs77d prob.
Message-ID: <3287CE3B.403@concentric.net>

john w dent wrote:

>

> YOU PUSHED THE WRONG KEY

YES I'M NOW AWARE OF THAT.

--

\\\\\\

(0 0)

--o0-()-0o--

wa8inz@amsat.org

wa8inz@cris.com

Date: Mon, 11 Nov 1996 16:56:20 -0700
From: Chris Dapples <ccdapple@wtp.net>
To: aprssig <aprssig@tapr.org>
Subject: Re: DLG Based Packet Location System
Message-ID: <9611112356.AA21973@wtpprod1.wtp.net>

This might be just the kind of thing I am looking for (see the
previous messages
about using 3-D maps). I would be very interested in trying it out.

Chris Dapples, KF7KN
ccdapple@wtp.net

> From: JIM_OLSEN@novell.com
> Date: 11/11/96 10:37:47AM
> To: aprssig
> Subject: [APRSSIG:6279] DLG Based Packet Location System
>
> Hi everyone,
>
> I wanted to gather some opinions on required features for a

> generic packet location system that I am working on. Let me
> preface
> this with the intent of what I am doing for some context
> setting.
> First, I do not want to support all of the features of the
> APRS
> style software. I am going for a VERY detailed map package,
> with
> support for packet location. In this way I can have a
> tracking system
> that is useable in the wilderness terrain of my area (Utah).
> I need topo
> line support to tell where anyone actually is, and the APRS
> system does
> not support this adequately in the map format/drawing
> methodology. I
> am not as interested in supporting all of the different 'base
> station' kind
> of operations that APRS does. I recognize these are useful in
> a larger
> case, but again, not for my applications (mobile search and
> rescue,
> hiker tracking, etc.), which often preclude the use of more
> than one
> mobile computer, due to weight/realistic constraints.
> What I have so far is a package which is Windows 95 based,
> and has several capabilities which are listed here:
>
> Reads and displays USGS 1:100,000 standard format DLG
> maps.
> Displays ALL layers (hydrography, topo lines, roads, etc.)
> Allows filtering of any layer (display / don't display)
> Full zoom (through vectors, so no degradation of data)
> Real time scrolling of map
> Multiple map windows allowed on screen simultaneously
> One or more packet receive windows for multi TNC support
> (packet receive is for positional info only)
> GPS Receive window (one or more)
> Station list displaying call, lat/long, course and speed
> Station list editing of Icon plus all of above
> Add station through point and click on map
> Lat/Long tracking on cursor movement over window
> History file record/playback

>
> What I ended up with is something which provides me the basic
> functionality of tracking multiple stations, on USGS quad
> level quality
> maps. I am in the process of doing some basic testing at this
> point, and
> it seems to work pretty well. Eventually, I would like to
> release it in an
> alpha form to interested parties, but before I do this, I
> would like to get
> people's opinions on what other functionality is a MUST HAVE
> for the
> kinds of applications I am concerned with. Note that I am not
> looking to
> replicate APRS. They have done an excellent job on this stuff
> for a
> broader range of applications. I want to focus around the
> kinds of
> things I need it for. I originally had developed this for
> myself, but a
> bunch of people have expressed interest in it after seeing it,
> so I would
> like it to be able to hit a broader audience.

>
> Thanks for the thoughts in advance,

>
> Jim Olsen
> KC7GGQ
> jim_olsen@novell.com
>
>
>
>
>

Date: Mon, 11 Nov 1996 20:44:25 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: nodes

Message-ID: <Pine.GS0.3.95.961111204211.19251A-100000@arctic>

On Mon, 11 Nov 1996, DAVID MICHAEL GAYTKO ***@*** FM15mm wrote:

> am interested in monitoring aprs on vhf for propagation study, would like to

> see a list of any digis say within 250 miles of Washington, NC.

*** In APRSdos do a FILE-REPLAY-DIGI-E and again for -SE

> also would like to know what setting would be necessary in the aprs program,

*** Standard APRS settings. Just look at the DIGI page to see what path they used. If you ONLY want to see signals direct, then use CONTORLS-FILTERS-DIRECT...

Date: Mon, 11 Nov 1996 20:45:13 -0500 (EST)

From: Bob Bruninga <bruninga@nadn.navy.mil>

To: aprssig@tapr.org

Subject: Re: aprs77d prob.

Message-ID: <Pine.GS0.3.95.961111204439.19251B-100000@arctic>

On Mon, 11 Nov 1996, pete ouellette wrote:

> After running APRS77D for a few minutes, a box pops up in the middle of the

> screen with the words " Zoom .1 .2 .3 " etc. I can't seem to erase it.

> Anybody know how or why its there?

>

APRSdos REPLY/COMMENT: Thats the MOUSE ZOOM menu. just use ur mouse to click on a zoom factor...

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Mon, 11 Nov 1996 21:14:39 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: help
Message-ID: <Pine.GS0.3.95.961111211355.19251G-100000@arctic>

On Mon, 11 Nov 1996, Barbara A. Urban wrote:

> Can anyone give me any hints or suggestions. Can't seem to see any other
> stations on the map screen. Everything else appears to be working
> ok. Have KPC-3 Kantronics TNC, 486 computer, aprs77d program. Thanks.

APRSdos REPLY/COMMENT: Did you put TNC in terminal mode with the INTFACE
TERMINAL command? You must do that first before APRS can set it up...

Reply mail addr: wb4apr@amsat.org
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Mon, 11 Nov 1996 21:17:59 -0500 (EST)
From: Richard Amirault <amirault@laraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: aprs77d prob.
Message-ID: <Pine.BSF.3.91.961111211558.11093B-100000@alaraby.tiac.net>

On Mon, 11 Nov 1996, pete ouellette wrote:

> After running APRS77D for a few minutes, a box pops up in the middle of
the
> screen with the words " Zoom .1 .2 .3 " etc. I can't seem to erase it.
> Anybody know how or why its there?

Sounds like you clicked your mouse! (now tell me you don't have a mouse!)
Once that box shows, you choose the magnification rate and click again.

Richard Amirault N1JDU Boston, Massachusetts USA
amirault@tiac.net "Go Fly A Kite"

Date: Mon, 11 Nov 1996 21:33:56 -0500 (EST)
From: Richard Amirault <amirault@alaraby.tiac.net>
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <Pine.BSF.3.91.961111212755.11093C-100000@alaraby.tiac.net>

On Mon, 11 Nov 1996 rwf@mindspring.com wrote:

> Mark- please don't miss the point.
>
> The request was a "vacation" message sort of like an email "rule". The
> message is processed, but a return message says something LIKE "I'm away
> from the terminal" OR "I am eating- get back to you later". No one in
> their right mind would say "Just call me stupid... I'm away for 6 months.
> Come rob me".
>
> One of the reasons I suggested it is that I was away for a few days,
> leaving the system on for the WX data it sends and several persons
messaged
> me, filling up my screen and getting no response. They then thought I was
> ignoring them and continued asking "are you there... are you ignoring me?"
> until they filled the line buffer DosAPRS provides.

Sounds like "operator error" Not you, all those other folks.

They send you a msg. They received an "ack". You didn't reply. Most folks
(at least most folks around these parts) will say "He's not at his
computer" and leave it at that.

Richard Amirault	N1JDU	Boston, Massachusetts USA
amirault@tiac.net	"Go Fly A Kite"	

Date: Mon, 11 Nov 1996 21:53:03 -0500
From: Dayglo <dayglo@radix.net>
To: aprssig@tapr.org
Subject: Thanx for all the info
Message-ID: <2.2.32.19961112025303.006e1a40@pop.radix.net>

Hi everyone,

Thank you very much for all the info that everyone provided. It was quite helpful. I will probably be in contact with Patcomm just as soon as I raise some \$\$\$ from all the stuff that I am selling on the net. Hopefully before the end of the year you will be seeing me on the air doing APRS. I just have one further question: Would you recommend purchasing the GPS 20 from TAPR? I figure that this may be the one most ppl are using and there will be a lot of projects built around it. It just seems such a waste to tuck my GPS 40 away in my car especially when it has such a nice display.

BTW since several ppl asked:

Name: Bob

Call: KF4F0K

Date: Mon, 11 Nov 1996 21:58:51 -0800

From: Steve Childress <stevech@pacbell.net>

To: "'aprssid@tapr.org'" <aprssid@tapr.org>

Subject: RE: 3-D Maps

Message-ID: <01BBD01B.E5CAFB00@appp-206-170-120-184.sndg02.pacbell.net>

----- =_NextPart_000_01BBD01B.E5CAFB00

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

OK Ken - This time I noticed your name on the e-mail.

Do you know of a public domain program which will display

ETAK's ".map" files?

steve

----- =_NextPart_000_01BBD01B.E5CAFB00

Content-Type: application/ms-tnef

Content-Transfer-Encoding: base64

eJ8+IiAGAQaQCAAEAAAAAAAAABAAEAAQeQBgAIAAAA5AQAAAAAADoAAENgAQAAgAAAAIAAgABBJAG

AAwBAAABAAAADAAAAAMAADADAAAAACwAPDgAAAAACAf8PAQAAAD8AAAAAAGSsfPL6jEBmdbgDd
AQ9UAgAAAABhcHJzc2lnQHRhcHIub3JnAFNNVFAAYXByc3NpZ0B0YXBzYm9yZWAAHgACMAEAAAAF
AAAAU01UAAAAAAAAeAAMwAQAAABEAAABhcHJzc2lnQHRhcHIub3JnAAAAAAMAFQwBAAAAAwD+DwYA
AAAEAAEWAAABMAAAANyXByc3NpZ0B0YXBzYm9yZyCAAIBcZABAAAAFgAAAFNNVFA6QVBSU1NJ
R0BUQVBSLk9SRwAAAAAMAADkAAAAACwBA0gEAAAACAfYPAQAAAAQAAAAAAADEy4BCIAHABgAAABJ
UE0uTWlJcm9zb2Z0IE1haWwUtm90ZQAxCAEEgAEAIAAAAFJF0iBbQVBSU1NJRzo2Mjc4XSBSRTog
My1EIE1hcHMAOQgBBYADAA4AADMBwsACwAVADoAMwABAGwBASCAAwA0AAAAzAcLAAAFQA5ADAA
AQBoAQEJgAEAIQAAADI0MkFENjI3MEUzQ0QwMTFCQjgzNDQ0NTUzNTQwMDAwAM4GAQ0QBgCcAgAA
EgAAAAAIwAAAAAAAwAmAAAAAALACkAAAAAAMANGAAAAAQAA5AADBd5Re0LSBHgBwAAEAAAAAg
AAAAUkU6IFtBUFTU01HOjYyNzhldIFJF0iAzLUQgTWFwcwACAXEAAQAAABYAAAAABu9Be1Hcn1io1
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RURZT1VSTkFNRU90VEhFRS1NQUMRE9ZT1VLTK9XT0ZBUFBVCTE1DRE9NQ1OUFJPR1JBTVdISUN1
V01MTERJU1BMQV1FVEFLUyJNQVAiRkkAAAAAAGeJEAEAAAAcAQAAAGAEALYBAABMMWkZ1R2omB/8A
CgEPahUCqAXrAoMAUALyCQIAY2gKwHNldDI3BgAGwwKDMgPFAGBwckJxEeJzdGVtAoMzdwLkBXMC
gH0KgAgJPCdk78RYPmJ1U1AoAKgQ2xC2DgbmcXMDMUUAsKFFEFc/JjAEAgT0sgS0EJ8CAtIFRoBAAg
gnQHcSBjIG5vG9CyYwmAIHkIYRwwYRvxywIgG8BoHAB1LQDAAxCSLgqFRG8csiBrHEABB+BvZiBh
IHB18wJgHHAZANx4AfsANg8wnAHSAGdxuQEXAhEAMQLQMgZAQAC1F5CoVFVEhBSycEICiuAMBw
2CIgZgMQB5A/CoUKhTkTwXZlI/wK9B/wMzYvDfAZ2yRWFTEAKFADABAQAAAAAAMAERAAAAAAQAAH
MACUp25e0LsBQAAMACUp25e0LsBHGA9AAEAAAAFAAAAAUkU6IAAAAAABvmg==

----- =_NextPart_000_01BBD01B.E5CAFB00--

Date: Tue, 12 Nov 1996 07:57:39 -0500
From: Doug Wittich <dwittich@concentric.net>
To: aprssig@tapr.org
Subject: Re: APRS and the NWS
Message-ID: <1.5.4.32.19961112125739.006c51e8@pop3.concentric.net>

At 10:58 AM 11/11/96 -0600, John M Dombrowski N20JY wrote:

>the differences between it and APRS. I would be interested in ANY input
>from those of you who have had "traditional" packet and switched to or
>added APRS as a means of digital communications with NWS. I'm very
>interested in what are the benefits of one system vs. the other to the
>NWS.

I came away from our quarterly Skywarn meeting with much the same
assignment. Please count me as an interested party in this discussion.

Doug

Date: Tue, 12 Nov 1996 08:42:29 -0500
From: Mark Sproul <sproul@ap.org>
To: aprssig@tapr.org
Subject: Re: Win95 vs Win3.1 development
Message-ID: <v03007801aeae2c978f51a[165.1.27.20]>

>Great idea Jim, but to only have a Windows 95 platform makes it rather
>limited i think, how many avarage people have a laptop of that sort.

There have been several comments about Win95 and Win3.1, people that are not developers dont realize the significant difference between the model for 3.1 and for 95.

On 3.1, the memory model is segmented and has limitations, there are libraries that implement this for you and and make it a lot easier, but... dealing with LARGE amounts of data under 3.1 is not NEAR as easy as on 95. Windows 95 and Windows NT has a flat memory model, this means memory starts at 0 and keeps going until you run out. it is NOT segmented (paged) like on Win3.1.

The Win32S DLL set allows programs written for Windows 95 /NT to run under Windows 3.1. There are a few things, specifically serial I/O, that cannot be done in the Win95 maner while running under Win32S. If a programer pays attention to these few minor things that cant be done, then ONE program works seamlessly for both platforms.

Mark

Mark Sproul |Amateur Radio: KB2ICI
Software Engineer @ Assoc Press |
sproul@ap.org |Work: 609-860-7120
North Brunswick, NJ |Fax: 609-860-7129

<http://msproul.rutgers.edu/>

Date: Tue, 12 Nov 1996 07:43:50 -0800
From: ke6nyt@fishnet.net (Dan Dicke)
To: aprssig@tapr.org
Subject: Thanks to Bob, Barbara, Arte, and Jack
Message-ID: <199611121543.HAA14927@big.fishnet.net>

Thanks all for your input. Thank you Bob for your incredible response to my strange needs of the validation so rapidly. I have the Ca maps already. I will check with the other folks about local maps. Neither San Diego or Pasadena WIDEs are within my reach, although I see them. Recently I haven't seen any activity. Difficult to get going when you are all alone out here.

Thanks again,
Dan
KE6NYT

Date: Tue, 12 Nov 1996 10:06:37 -0500 (EST)
From: BRETSKI <bap@storm.atms.purdue.edu>
To: APRS <aprssig@tapr.org>
Subject: registration info
Message-ID: <Pine.A32.3.93.961112100057.32731A-100000@storm.atms.purdue.edu>

Hello.
I really like the APRS software!
The other day I got about 15 hits -- even one from Puerto Rico!

I registered the software with you folk awhile back but I lost the registration number you sent me along with the sheet about how to enter the number in the program.

Could you please send it again?

Sorry.

:-{

BRET A. PENNINGTON / COMPUTER TECHNICIAN /EARTH AND ATMOSPHERIC SCIENCES
CIVL 4252 317-494-0678 / PURDUE UNIVERSITY / WEST LAFAYETTE, INDIANA 47907
bapastorm.atms.purdue.edu / speaking only for myself.
/\ /\ /\ /\ /\ /\ _... /\ /\ /\ /\ /\ /\ /\ N9ZFF /\ /\ /\ /\ /\ /\ ..._ /\ /\ /\ /\ /\ /\ /\

Date: Tue, 12 Nov 1996 09:14:27 -0600
From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <v03007805aeade5d5f75a[138.87.2.109]>

>> until they filled the line buffer DosAPRS provides.

I wonder if our unattended NWS office dosAPRS will fail because no one
answers messages sent to them? The operators are told how to scroll around
and zoom in and out but not how to read or clear messages.

/\
Larry M. Keeran K9ORP IS Data Processing Equip Tech k9orp@amsat.org
EC McLean Co-CIPRUS,Inc-PresCIRC-VP QCWA-Life ARRL-APRSM-APRS-TAPR#762
\ /\

Date: Tue, 12 Nov 1996 10:33:48 -0600
From: "Ronald G. Parsons" <w5rkn@amsat.org>
To: APRS-SIG <aprssig@tapr.org>
Subject: HF/VHF Gateway and DSP-2232

Message-ID: <3288A6ED.7C90@amsat.org>

I am considering implementing an HF/VHF Gateway using my AEA DSP-2232.
The manual talks about crossband CONNECTIONS but does not discuss
crossband digipeating.

Has anyone set up such a configuration? How did you set the parameters?

--

Ron W5RKN

also:

rparsons@bga.com

Date: Tue, 12 Nov 1996 09:44:44 -0800

From: Randy Hammock <hammock@wired.jpl.nasa.gov>

To: aprssig@tapr.org

Subject: Re: registration info

Message-ID: <3288B78C.167E@wired.jpl.nasa.gov>

BRETSKI wrote:

> I registered the software with you folk awhile back but I lost the
> registration number you sent me along with the sheet about how to
> enter the number in the program.

I keep seeing this problem appearing. Why not make a backup disk of the
APRS software and write the registration numbers on the diskettes. I do
this for my commercial software, just incase the documentation gets
separated from the disks. For CD-ROMs, use a magic marker to write the
number on the disk.

--

Randy Hammock	KC6HUR		Jet Propulsion Laboratory
mailto:hammock@wired.jpl.nasa.gov			4800 Oak Grove Drive
Voice: +1-818-393-1214			M/S: 264-580
Pager: +1-818-423-2062			PASADENA CA 91109

Date: Tue, 12 Nov 1996 11:42:28 -0400

From: "Sam Nabkey, WJ8T/P" <snabkey@wingsbbs.com>
To: aprssig@tqpr.org
Subject: Re: APRS and the NWS
Message-ID: <199611121642.KAA03666@tqpr.org>

On 12 Nov 96 at 7:01, Doug Wittich wrote:

> At 10:58 AM 11/11/96 -0600, John M Doblewski N20JY wrote:
>
> >the differences between it and APRS. I would be interested in ANY
> >input from those of you who have had "traditional" packet and
> >switched to or added APRS as a means of digital communications with
> >NWS. I'm very interested in what are the benifits of one system vs.
> >the other to the NWS.
>
> I came away from our quarterly Skywarn meeting with much the same
> assignment. Please count me as an interested party in this
> discussion.
>
>
> Doug
>

Me too! We will be using the same approach here in Grand Rapids Mi.
soon. I think the Vacation Mode would be perfect for that
application.

Sam Nabkey - K8SN/P (Using the Laptop)
Internet: snabkey@wingsbbs.com
amprnet: k8sn@w8dc.ampr.org
WWW: <http://www.k8sn.org>
AX.25: WJ8T@W8DC.#SWMI.MI.USA.NOAM
Java APRS: <http://www.k8sn.org/javAPRS>

Date: Tue, 12 Nov 1996 12:09:38 -0500
From: Tony Sammartino <tony@pepperwhite.com>

To: aprssig@tapr.org
Subject: (no subject)
Message-ID: <3288AF52.3C78@pepperwhite.com>

subscribe

Date: Tue, 12 Nov 1996 12:40:33 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <Pine.GS0.3.95.961112123743.14565C-100000@arctic>

On Tue, 12 Nov 1996, Larry Keeran wrote:

> I wonder if our unattended NWS office dosAPRS will fail because no one
> answers messages sent to them? The operators are told how to scroll
around
> and zoom in and out but not how to read or clear messages.

APRSdos REPLY/COMMENT: Nope, APRSdos will just stop accepting messages
after 23. From then on it will send out REJects instead of ACKS. This
is to alert the sender that that stations apparently has no human operator
and it is useless to keep sending him messages until he begins reading
some of them. Remember, APRS is for real-time tactical communications not
necessarily the long term 24 hour a day we are using it for practice....

Reply mail addr: wb4apr@amsat.org
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Tue, 12 Nov 1996 12:46:39 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: registration info
Message-ID: <Pine.GS0.3.95.961112124512.14565H-100000@arctic>

On Tue, 12 Nov 1996, Randy Hammock wrote:

> BRETSKI wrote:
> > I registered the software with you folk awhile back but I lost the
> > registration number...
>
> I keep seeing this problem appearing. Why not make a backup disk of the
> APRS software and write the registration numbers on the diskettes.

APRSDos REPLY/COMMENT: WRITE IT ON THE WALL! hi hi You can't lose the wall. Try your forehead too, but write it backwards so you can read it in a mirror.

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Tue, 12 Nov 1996 12:46:56 -0600
From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <v0300780eaeae1ecd829a@138.87.2.109>

>On Tue, 12 Nov 1996, Bob Bruninga said:

>APRSDos REPLY/COMMENT: Nope, APRSDos will just stop accepting messages
>after 23. From then on it will send out REJECTs instead of ACKS.

I am getting BUSY from the site now (with O C T). Is BUSY what connect requests that are NAKed look like at my end? It doesn't answer a O Q callsign or a ping from APRS either. I can connect to the NODE callsign ok.

Guess I have to do the 100 mile round trip to un busy it. Let me think... I would have to (at the KPC-9612 TNC) do [is it?] CONOK = OFF to prevent connects from locking it up?

Too much remote diagnosing... Too many possibilities... I will have to see what I find and report back. Unless, someone has additional suggestions on what to try from "here".

Send suggestions to: k9orp@amsat.org

[illegible]

Date: Tue, 12 Nov 1996 12:54:44 -0600
From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
To: aprssig@tapr.org
Subject: Re: registration info
Message-ID: <v0300780faeae22c671aca[138.87.2.109]>

```
>> BRETSKI wrote:
>> > I registered the software with you folk awhile back but I lost the
>> > registration number...
```

Wouldn't looking at the file on the root directory APRSxxx.apr with a text editor or "typing it" be a way to see it? (If you had once installed it and haven't changed computers since.)

[illegible]

Date: Tue, 12 Nov 1996 12:15:39 -0700
From: David & Roxanne McCarthy <davidmc@goodnet.com>
To: aprssig@tapr.org
Subject: Re: APRS and the NWS
Message-ID: <3288CCA4.148Ba@goodnet.com>

Doug Wittich wrote:
>
> At 10:58 AM 11/11/96 -0600, John M Dombkowski N20JY wrote:
>

> >the differences between it and APRS. I would be interested in ANY input
> >from those of you who have had "traditional" packet and switched to or
> >added APRS as a means of digital communications with NWS. I'm very
> >interested in what are the benefits of one system vs. the other to the
> >NWS.

>

> I came away from our quarterly Skywarn meeting with much the same
> assignment. Please count me as an interested party in this discussion.

>

> Doug

Please include me also. MARCA has made the effort to further the use of
APRS in Phoenix. Several of our members are Skywarn spotters and I am a
Net Control Op. Would like to help us move from or supplement the voice
net.

--

David McCarthy - KC7AYX - Motorola Amateur Radio Club of AZ
email: davidmc@goodnet.com packet: kc7ayx@kc7y.az.usa.noam
Visit the family homepage: <http://www.goodnet.com/~davidmc/>
"As for me and my house, we will serve the Lord." Jos 24:15

Date: Tue, 12 Nov 1996 14:49:32 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: "Nicholas R. Smith" <wa4gkm@juno.com>
Subject: Re: APRtrak Keps
Message-ID: <Pine.GS0.3.95.961112144412.19061C-100000@arctic>

On Mon, 11 Nov 1996, Nicholas R. Smith wrote:

> How do you update the KEPS in APRtrak? I assume that one just down
> loads these from a source and puts them in the orb file?

APRSdos REPLY/COMMENT: Select FILES-KEPS command and then you can update
from either a NASA 2-line or AMSAT file. If you want to change which
satellites are in your APR.ORB file, then you will need to use a text
editor to change the OBJECT NUMBERS.

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Tue, 12 Nov 1996 14:59:15 -0500
From: John M Dombkowski <wendysue@global2000.net>
To: aprssig@tapr.org
Subject: APRS and the NWS message #2
Message-ID: <3288D713.CD5a@global2000.net>

HAY YOU GUYS WHO ARE USING APRS WITH THE NWS PLEASE TELL THE REST OF US
HOW AND WHY!!!!!!!!!!!!!!!!!!!!

I hope I didn't hurt anyones ears but there seems to be a CROWD of
people with inquireing minds.:~)

We need the specifics.

Please get us moving as we are begging for some ELMERS!!!

John

Date: Tue, 12 Nov 1996 15:05:28 -0500
From: John M Dombkowski <wendysue@global2000.net>
To: Steve Dimse <sdimse@bridge.net>
Subject: Re: APRS and the NWS
Message-ID: <3288D888.1BADa@global2000.net>

Steve Dimse wrote:

>

> >We here in Albany NY are in the planning and discussion stage of
> >improving our packet capabilities as they relate to the National Weather
> >Service .

> >

> >We are currently using a "traditional" packet network and are discussing
> >the differences between it and APRS. I would be interested in ANY input
> >from those of you who have had "traditional" packet and switched to or
> >added APRS as a means of digital communications with NWS. I'm very
> >interested in what are the benifits of one system vs. the other to the
> >NWS.

> >

> >I'm looking to be sold on both systems so as to help us make an informed

> >decision as to which we should choose. We are of course open to using
> >both systems if that suits the NWS best.
> >
> Depends on what you want to do. For point to point communications,
> regular packet is best. For disseminating and collecting data to/from a
> number of stations over a large area, APRS wins.
>
> APRS has many built in features very useful to the NWS, most especially
> the provision for automatic weather reporting. The National Hurricane
> Center uses it for reports from the Florida Keys; we have set up a series
> of 6 stations down the Keys, and were very useful to the NHC when Lili
> brushed us last month.
>
> The first step in choosing a system is to decide exactly how you want to
> use the system. Then it should be obvious one or the other is best. Let
> me know if you have any specific questions.
>
> Steve K4HG

Hi Steve

Thanks for the reply!

I'm not sure of the capabilities. I think perhaps you are making the
assumption that I know more than I do. If you could go one level lower
you'd probably be on my level.

John M Dombrowski N20JY

Date: Tue, 12 Nov 1996 15:22:29 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: Vacation Auto-Reply for APRS
Message-ID: <Pine.GS0.3.95.961112151925.19061E-100000@arctic>

On Tue, 12 Nov 1996, Larry Keeran wrote:

> >APRSDOS REPLY/COMMENT: Nope, APRSDOS will just stop accepting messages
> >after 23. From then on it will send out REJECTS instead of ACKS.

>

> I am getting BUSY from the site now (with O C T). Is BUSY what connect
> requests that are NAKed look like at my end? It doesn't answer a O Q
> callsign or a ping from APRS either. I can connect to the NODE callsign
ok.

APRSDos REPLY/COMMENT: APRS has nothing to do with CONNECTS. BUSY means
the TNC is connected to someone. APRS will automatically force the TNC to
disconnect every time it sends its STATUS BEACON. (at least once every 20
minutes, so just wait.) If someone connects to an APRS station it will
go to blue screen (OCT) for 3 minutes, then it will also try to
disconnect.

APRS should not affect how the PBBS works however.

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Tue, 12 Nov 1996 14:21:53 -0600 (CST)
From: Tom Fleming N9SZF <n9szf@skywarn.cs.wisc.edu>
To: David & Roxanne McCarthy <davidmc@goodnet.com>
Subject: Re: APRS and the NWS
Message-ID: <Pine.LNX.3.91.961112141742.14954A-100000@skywarn.cs.wisc.edu>

On Tue, 12 Nov 1996, David & Roxanne McCarthy wrote:
Count me in. We have APRS set up in our NWS and have the equipment ready
for our county EOC. And we are trying to get more weather stations set up.

Tom Fleming - N9SZF
South Central Wisconsin NCS
Dane County ARES

Date: Tue, 12 Nov 1996 15:17:51 -0600
From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>

To: aprssig@tapr.org
Subject: Re: APRS and the NWS message #2
Message-ID: <v03007813aeae3932b5f9a[138.87.2.109]>

On Tue, 12 Nov 1996 13:59 John M Dombrowski said:

>HAY YOU GUYS WHO ARE USING APRS WITH THE NWS PLEASE TELL THE REST OF US
>HOW AND WHY!!!!!!!!!!!!!!!!!!!!!!

Can't speak for everyone because each area is unique and our operation is less than one year old. Our NWS office has a responsibility area of 37 counties. They are severely undermanned and any electronic assistance that doesn't interfere with their normal operation is welcome. The non-verbal visual assistance of Amateur Radio reports coming in on a map that they can compare to the reports they send out is welcome. Our NWS office does have a 2 meter FM net control position that is manned during watches.

The local, county-wide in our ARES case, emergency communication is supplemented by an APRS operator, on 145.79, (one per voice net) entering reports that come in. Those are sent on a 445 MHz APRS 9600 baud backbone to the NWS office. In non-weather cases, the reports go to the ESDA office for dispersion to the affected agency. They would pass reports to Red Cross in the case of disaster surveys or Police in case of accidents or position of response vehicles. We have an elaborate SOP that is too lengthy to describe in the answer to this question. You are welcome to e-mail me directly (k9orp@amsat.org) for further discussions.

The value of APRS is the non-verbal aspect as well as time stamping and logging of reports. Non-verbal is important because an emergency is doing many things at once and most of the time two or more audio reports come in inadvertently and are reported. The APRS acts like a situation board for all to see.

The comparison between packet APRS position reports and packet BBS reports are best described as brief versus lengthy. If you need the brevity, use APRS on APRS frequencies. If the traffic is a command, NTS or welfare related, use BBS type messages on regular packet channels. DO NOT USE THE SAME FREQUENCY!!!

If everyone (that wants to answer the APRS NWS question) briefly told what their area does, ONCE, then the rest of the WX and APRS chat can take place by direct E-Mail. I think it would make the rest of the APRSSIG happy.
:-)

[illegible]

Date: Tue, 12 Nov 1996 16:44:15 -0500 (EST)
From: Bill Northup <northup@sw.stratus.com>
To: aprssig@apr.org (APRS)
Cc: n1cpe@amsat.org, aps@ieee.org, bruce@testware.com, aardvark@krl.com,
Subject: two digi's on one antenna
Message-ID: <199611122144.QAA01986@blackdog.sw.stratus.com>

A few weeks ago someone wrote up how they put two digi's on the air using an existing antenna. At that time some of us here in the Boston area were planning how we could add an APRS digi to a site where we already had a packet digi on 145.030. We decided to take a different approach and now that we have it up and working I figured I would tell everyone what we did.

The group that was working on this were all members of the Minute Man Repeater Association and most of them are on the technical committee that sets up and supports the clubs 11 repeaters (i'm the one that is not on the technical committee). A couple of the 2 meter repeaters had been replaced in the last few years and we found that we had 12 cans (filters) sitting around not being used. The normal 2 meter repeater split is 600khz and the split between the two digi was more (760Khz) than that so we figured we would use these filters that had worked well with repeaters to isolate the two digi systems.

We took 6 band pass filters and tuned 3 of them to pass 145.030 and tuned the other 3 for 145.79. With this we found that we had more than 100db of

isolation between the two systems. We hooked up the transmitters and they are both working well. On the APRS side it is working better than it was was prior to this (on a lower antenna) just because the pass filter was filtering out lots of noise that had been getting to the receivers front end. The results is a digi in Marlboro Ma. that can now hear stations in Rhode Island, Northern Ct, mid NH, and into central Ma.

I would also like feedback from those in New England to get a feel for how wide the coverage really is. So if you see N1QPR-2 let me know. Tomorrow (Wed Nov 13) we will make this the WIDE for the Boston area and change another local digi, N1CPE-2 to RELAY.

just another idea

Bill

--

Bill Northup, N1QPR EMAIL n1qpr@amsat.org
QRP-NE #307
NorCal #1027
QRP-L #356

End of APRSSIG Digest 764

From aprssig@tapr.org Sun Nov 17 09:30:00 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP
id AA1622 ; Sun, 17 Nov 96 08:57:40 UTC
Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA05421; Sun, 17 Nov 1996 10:33:54 -0600
(CST)

Date: Sun, 17 Nov 1996 10:33:54 -0600 (CST)
Message-Id: <19961117162642842.AAC201@dial-22.marianna.fl.digitalexp.com>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org
To: aprssig@tapr.org
Subject: [APRSSIG:6477] APRSSIG digest 771
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Content-Type: text/plain; charset="us-ascii"
X-Mailer: Windows Eudora Version 1.4.4
Status: R

APRSSIG Digest 771

Topics covered in this issue include:

- 1) Re: Practical Applications needed
by Doug Wittich <dwittich@concentric.net>
- 2) Re: Unwarranted/unwanted attachments!
by rsellers@rockford.com (Roger Sellers)
- 3) MAPFIX27
by jud <judlynn@norfolk.infi.net>
- 4) Re: killer mail
by "Les Owles" <lesowles@tgis.co.uk>
- 5) Trimble Ant. for GPS45
by jud <judlynn@norfolk.infi.net>
- 6) Re: APRS, DPGS, etc.
by lee mcdaniel <wb4qoj@intrlink.com>
- 7) Re: killer mail
by Robert Winingham <kc5ejk@onramp.net>
- 8) Re: message archives
by Robert Winingham <kc5ejk@onramp.net>
- 9) Re: MAPFIX27
by Chris Dapples <ccdapple@wtp.net>
- 10) Re: killer mail
by "John W.(Bill) Hays - w0omv" <billh@netins.net>
- 11) Re: killer mail
by "Jacques C. VOISIN" <jvoisin@nebula.ispace.com>
- 12) Re: killer mail
by Dale Seaburg <dseaburg@web-access.net>

- 13) Re: Unwarranted/unwanted attachment
by schiers@ames.net
- 14) Re: killer mail
by rkramer@merge1.mergetel.com (Ronald Kramer)
- 15) Re: MSCAT Saturday nite-Sunday morning
by Gerald J Creager <gerry@cs.tamu.edu>
- 16) Kansas City Supper
by Keith Sproul <ksproul@hardees.rutgers.edu>
- 17) Re: Unwarranted/unwanted attachment
by "KB8UAS John Feist" <bugg@newreach.net>
- 18) Re: MAPFIX27
by Bob Bruninga <bruninga@nadn.navy.mil>
- 19) Re: Kansas City Supper
by Jim Duncan <ku0g@sprynet.com>
- 20) Re: killer mail
by "THOM PROEHL" <tmproehl@nwlink.com>
- 21) Re: killer mail
by Dennis James <denniswj@aljan.com.au>
- 22) GIS-LIS '96
by Gerald J Creager <gerry@cs.tamu.edu>
- 23) Re: DOS APRS in WIN95 in Background!
by John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
- 24) Re: WinAPRS 1.1.7
by schiers@ames.net
- 25) METEOR SCATTER last night!
by Bob Bruninga <bruninga@nadn.navy.mil>
- 26) Re: Trimble Ant. for GPS45
by Paul Moller <paulmoll@enteract.com>
- 27) Return address?
by joefoor@digitalexp.com (Foor, Joe)

Date: Sat, 16 Nov 1996 14:41:50 -0500
From: Doug Wittich <dwittich@concentric.net>
To: aprssig@tapr.org
Subject: Re: Practical Applications needed
Message-ID: <1.5.4.32.19961116194150.006cf630@pop3.concentric.net>

In reply to Larry M. Keeran K9ORP

>If everyone (that wants to answer the APRS NWS question) briefly told what
>their area does, ONCE, then the rest of the WX and APRS chat can take place
>by direct E-Mail. I think it would make the rest of the APRSSIG happy.

>:-)

I can well appreciate the sentiment of not letting one rather narrow topic take over the sig, but OTOH, we've spent a lot of time here talking and learning about the technology, with precious little energy being spent on practical application. Of course, in order to properly apply technology to provide solutions to problems, one must first understand it, but then one must find ways to use it to help others. The NWS client certainly qualifies as someone we can provide much help to. The other obvious ones are for the walk/ride/run events. But when people ask me the real value of APRS, I have trouble explaining much more than these uses. I'm hoping to keep on learning, though.

Doug

Date: Sat, 16 Nov 1996 13:46:58 -0600 (CST)
From: rsellers@rockford.com (Roger Sellers)
To: aprssig@tqpr.org
Subject: Re: Unwarranted/unwanted attachments!
Message-ID: <199611161946.NAA02168@tqpr.org>

>

>Gentlemen (and ladies)....

>

>Please remember that it is totally inappropriate to completely quote someone

>else's posting except in the circumstance that a quotation is proper to make

>a point.

>

..... snip.....

Hi Jim,

Point well made. And at the same time I have another comment.

Many people are posting messages to the sig and signing off the messages with their name only.

My ISP shows all messages as coming from APRSSIG in the from header. If a person sending a message only puts in their name, there is no way, thru my

ISP at least, to send them a private response. I have no email address to send them private mail. All reply are forced back thru the sig and wasting bandwidth on the SIG. This means we are forced to read messages that apply to one person only and are not appropriate to the whole SIG.

***** PLEASE USE YOUR RETURN EMAIL ADDRESS IN ALL MESSAGES *****

When posting messages, if you think its appropriate for everyone to read, post it to the sig, if not send it privately.

73,

Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@rockford.com
kb9lbu@juno.com
E-Mail Work: rsellers@snds.com

Date: Sat, 16 Nov 1996 14:49:52 -0500 (EST)
From: jud <judlynn@norfolk.infi.net>
To: aprssig@tapr.org
Subject: MAPFIX27
Message-ID: <199611161949.0AA03736@mh004.infi.net>

I am trying to add roads that i have tracked to an existing local map. I am using MAPFIX27, typing T for task and G for gps overlay. So far so good. My GPS track overlays the map nicely. Now the problem. How do I draw the roads on to the map? I tried E for edit and A for add a point, but as I progress down the road it draws dashed lines off to another point from each point I make. When finished some of these dashed lines become solid lines. Is there some simple way to draw in the roads once the GPS overlay is on the map? Thanks.

))(((
)_ _(
[o o]

=====000==()==000=====

Jud French, KE4HFX
judlynn@norfolk.infi.net

=====
5423 Barnhollow Rd.
Norfolk, VA 23502-3604

Date: Sat, 16 Nov 1996 20:05:51 -0000
From: "Les Owles" <lesowles@tgis.co.uk>
To: <aprssig@tapr.org>
Subject: Re: killer mail
Message-ID: <199611162009.UAA18838@tgis.co.uk>

I too had problems with the mail item APRSSIG: 6396. This was about the eighty fifth message in a batch being downloaded , it caused the mail program to crash with the loss of all the bulletins. Using Internet Explorer Mail program I couldn't log back on to my ISP. Tried another machine and Eudora and all was OK. Re loaded Internet Mail , cleared the IN-Box and now running normally apart from having lost the mail items.

> From: Roy Bost <rbost@itexas.net>
> To: aprssig@tapr.org
> Subject: [APRSSIG:6449] killer mail
> Date: 16 November 1996 17:07
>
> I'm having a serious problem with the SIG! When attempt[ing to
down load
> my e-mail from my ISP, I'm getting a FATAL ERROR on the message
after
> message #6395 (should be 6396?). This message is preventing me
from
> downdoadng my e-mail and thus has effectively stopped me from
receiving
> any e-mail!

Date: Sat, 16 Nov 1996 16:40:39 -0500 (EST)
From: jud <judlynn@norfolk.infi.net>
To: aprssig@tapr.org

Subject: Trimble Ant. for GPS45

Message-ID: <199611162140.QAA12091amh004.infi.net>

I had been taking the the antenna that came with the Garmin GPS45XL and mounted it on the roof of my pickup truck, it worked quite well. This past week I received the Trimble antenna for the GPS45 from PaCComm that has been discussed here on the SIG. What an improvement there is on the satellite page. The bar graph shows more satellites and much stronger signals. The small size of the antenna is an added plus and installing the BNC connector was no problem. I can thank the SIG for the good tip on this antenna.

Jud, KE4HFX

))(((
)_ _(
[o o]

=====000==()==000=====

Jud French, KE4HFX

judlynn@norfolk.infi.net

=====

5423 Barnhollow Rd.

Norfolk, VA 23502-3604

Date: Sat, 16 Nov 1996 16:58:12 -0500

From: lee mcdaniel <wb4qoj@intrlink.com>

To: aprssig@tapr.org

Subject: Re: APRS, DPGS, etc.

Message-ID: <1.5.4.32.19961116215812.0069f4d8@mail.intrlink.com>

Tom,

You are so correct on the legal aspect of the BEACON issue. Several years ago I had the opportunity to contact Norfolk Field Office about the same thing, and I got the same answer but with a twist. The Engineer told

me that I didn't want to make to much noise because they were just looking for a TEST CASE. Well I shout up. And after that 900 phone number thing that I know that you remember, the Norfolk office sent an Engineer out this way to

monitor UNCONNECTED PACKETS. Well I think that the rule applys as you say

DON'T ASK

By the way good seeing you in print been a while...73 Lee WB4Q0J Roanoke Va

wb4qoj@intrlink.com

wb4qoj.va.usa.na

At 01:12 AM 11/15/96 -0600, you wrote:

>

>Stevech (Hey guys -- add your call to either your From: or signature!)

>asked Gerry (N5JXS) about the DGPS beacons. Since (as far as I know) I'm

>the only amateur DGPS generator, let me answer. Here in the Baltimore/

>Washington area, the W3IWI-13 DGPS sends out differential corrections

>once per 20 seconds.

>

>The DGPS signals are generated by a professional (Trimble 4000SSE) dual-

>frequency GPS receiver operating on one of the many antenna ports

associated

>with the GODE IGS GPS facility. The DGPS bits come out of the professional

>"toys" and poke into a strictly amateur setup on the local 145.79 APRS net.

>The signals are relayed thry WIDE,WIDE and cover the entire Chesapeake Bay

>area, plus parts of SNJ, EPA, NoVA and WVA. Your TNC provides the DGPS

>data in a format similar to that coming out of a Coast Guard (~300 kHz)

>or commercial FM broadcast subcarrier (like DCI or ACQUPOINT) source.

>The local users report it provides corrections at the few meter level

>and that velocities reported by their GPS receivers are MUCH more accurate.

>

>I presume Gerry's idea is to tap the "sponsored" DGPS signals at the RS232

>level and do the same thing at Cow College!

>

>Regarding the questions on legality: All of our packet radio "beacons"

>are subject to the same question! The FCC has been mute on the topic for

>several years. If they were to be asked formally, they would either say

>"you amateurs are supposed to be self enforcing. We have no opinion", or

>they would say "Now that you bring it up, a lot of your activities are

>not covered by the rules and hence are not legal". The moral of the

>story is "DON'T ASK!!!"

>

>73 de Tom, W3IWI

>

>

Date: Sat, 16 Nov 1996 16:03:32 -0600
From: Robert Winingham <kc5ejk@onramp.net>
To: aprssig@tapr.org
Subject: Re: killer mail
Message-ID: <v03007802aeb3e42bbffe@[199.1.11.143]>

>I too had problems with the mail item APRSSIG: 6396.

I have seen seven of these since 9/28/96
#5220
#5566
#5576
#5797
#6422

[APRSSIG:6396] Delivery-Report (failure) for
Your message was not delivered to:
/DD.ID=john.langtry/O=RESONET/ADMD=TELECOM.CANADA/C=CA/@resonet.com
for the following reason:
Transfer could not be initiated
An invalid message parameter was encountered

[APRSSIG:6437] Delivery-Report (failure) for
Your message was not delivered to:
/DD.ID=john.langtry/O=RESONET/ADMD=TELECOM.CANADA/C=CA/@resonet.com
for the following reason:
Transfer could not be initiated
An invalid message parameter was encountered

If John langtry is on the sig he might want to reply
before the server master deletes him from the list.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

Date: Sat, 16 Nov 1996 16:03:52 -0600
From: Robert Winingham <kc5ejk@onramp.net>
To: aprssig@tapr.org
Cc: frodgers@netcom.com
Subject: Re: message archives
Message-ID: <v03007803aeb3e823aec7a[199.1.11.143]>

>Are the messages that cross the APRS sig stored anywhere online? I'd like
to
>be able to search them by topic.

If you have WWW access (and who doesn't these days).

Go to the www.tapr.org site and look at the APRSsig mail archives.
You are going to get a month's worth of mail , but then that
is what a text editor FIND command is for. I think I just ended
a sentence with a preposition. :-)

You can use e-mail only to download the archives, just ask
the listserver for help with the formatting.

You should be able to get the APRS files via e-mail only,
if you can get the correct path names to the file.

73

Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

Date: Sat, 16 Nov 1996 16:22:36 -0700
From: Chris Dapples <ccdapple@wtp.net>
To: aprssig <aprssig@tapr.org>
Subject: Re: MAPFIX27
Message-ID: <9611162322.AA29066@wtpprod1.wtp.net>

I am experiencing the exact same problems! So would appreciate
hearing the response too.

Chris Dapples, KF7KN

ccdapple@wtp.net

> From: judlynn@norfolk.infi.net
> Date: 11/16/96 1:54:46PM
> To: aprssig
> Subject: [APRSSIG:6453] MAPFIX27
>

> I am trying to add roads that i have tracked to an existing
> local map. I am
> using MAPFIX27, typing T for task and G for gps overlay. So
> far so good. My
> GPS track overlays the map nicely. Now the problem. How do I
> draw the
> roads on to the map? I tried E for edit and A for add a
> point, but as I
> progress down the road it draws dashed lines off to another
> point from each
> point I make. When finished some of these dashed lines become
> solid lines.
> Is there some simple way to draw in the roads once the GPS
> overlay is on the
> map? Thanks.

>))((((
>)_ _(
> [o o]

> =====000==(_)==000=====

> ===

> Jud French, KE4HFX
> judlynn@norfolk.infi.net
>

> =====

> ===

> 5423 Barnhollow Rd.
> Norfolk, VA 23502-3604
>
>
>

Date: Sat, 16 Nov 1996 23:26:46 +0000
From: "John W.(Bill) Hays - w00mv" <billh@netins.net>
To: aprssig@tapr.org
Subject: Re: killer mail
Message-ID: <328E4DB6.2CFD@netins.net>

I wonder if it is the Internet Explorer program???

I'm using Netscape ver. 2.0 and have not had any problems....yet!

I have had as many as 118 msgs waiting for me after being gone
for some time.

73,
Bill - w00mv

Date: Sat, 16 Nov 1996 19:22:11 -0500
From: "Jacques C. VOISIN" <jvoisin@nebula.ispace.com>
To: <aprssig@tapr.org>
Subject: Re: killer mail
Message-ID: <199611170022.TAA09090@nebula.ispace.com>

I have the same feeling, I have internet explorer mail on 1 machine and std
slip on a laptop with EUDORA. never had problems with EUDORA Everytimes the
system locked up was with Explorer Mail
Jacques Voisin

> From: John W.(Bill) Hays - w00mv <billh@netins.net>
> To: aprssig@tapr.org
> Subject: [APRSSIG:6460] Re: killer mail
> Date: Saturday, November 16, 1996 18:30
>
> I wonder if it is the Internet Explorer program???

Date: Sat, 16 Nov 1996 20:21:24 -0600
From: Dale Seaburg <dseaburg@web-access.net>
To: aprssig@tapr.org
Subject: Re: killer mail
Message-ID: <328E76A4.1DA0@web-access.net>

Robert Winingham wrote:

>
> >I too had problems with the mail item APRSSIG: 6396.
>
> I have seen seven of these since 9/28/96
> #5220
> #5566
> #5576
> #5797
> #6422
>
snip...

I have not had one of these messages stop my copy of Netscape. What kind of browser or email package is everyone using that causes this? Just curious... There has to be a reason!! :-)

> 73
>
> Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

73 - Dale. KG5LT
dseaburg@web-access.net

Date: Sat, 16 Nov 96 14:09:01 -0500
From: schiers@ames.net
To: aprssig@tapr.org
Subject: Re: Unwarranted/unwanted attachment
Message-ID: <199611170314.VAA25217@tapr.org>

In <890598@bbs.ames.net>, on 11/16/96 at 01:42 PM,
aprssig@tapr.org said:

>***** PLEASE USE YOUR RETURN EMAIL ADDRESS IN ALL MESSAGES *****

Amen! My ISP is doing the same thing. He is changing programs in a month or two, but in the mean time and for the last several months, I have EXACTLY this problem. Please, everyone add your email address to your signature, as I find it hard to believe that the n9 and I are the only ones having this problem. 73,

hasan schiers, NOAN

schiers@ames.net

Date: Sun, 17 Nov 1996 03:34:31 GMT
From: rkramer@mergetel.com (Ronald Kramer)
To: aprssig@tapr.org
Subject: Re: killer mail
Message-ID: <329a876a.2501256644@mail.mergetel.com>

On Sat, 16 Nov 1996 20:25:54 -0600 (CST), you wrote:

>> I have seen seven of these since 9/28/96

>> #5220

>> #5566

>> #5576

>> #5797

>> #6422

>>=20

>snip...

>

>I have not had one of these messages stop my copy of Netscape. What

>kind of browser or email package is everyone using that causes this?=20

>Just curious... There has to be a reason!! :-)

>

Windows 95 and Agent 99f received these files with no Problem
also my WFWG 311 and Agent 99f received these files OK

73 de Ron

Email: rkramer@mergetel.com

Best Regards

ve3mx@mergetel.com

Packet: ve3mx@ve3snp

Date: Sat, 16 Nov 1996 21:37:48 -0600 (CST)
From: Gerald J Creager <gerry@cs.tamu.edu>
To: aprssig@tapr.org
Subject: Re: MSCAT Saturday nite-Sunday morning
Message-ID: <199611170337.VAA27527@solar.cs.tamu.edu>

Larry Keeran sez:

>

> I don't have details... not an astronomer. Local Radio station said
"Meteor

> shower tonight for plus or minus 2 hours around 3 am CST."

>

> I'll leave my station in MSCAT mode overnight. EN50mp

Leonids, may well be the best for the next century or so, according to Sky & Telescope. They peak this weekend, but I've been seeing 30-50/hour rates here for a week.

73, gerry

Date: Sat, 16 Nov 96 22:54:13 EST
From: Keith Sproul <ksproul@hardees.rutgers.edu>
To: aprssig@tapr.org
Subject: Kansas City Supper
Message-ID: <CMM-RU.1.5.848202853.ksproul@hardees.rutgers.edu>

I will be in Kansas City Monday evening for diner with any APRS people interested.

Jim Duncan has graciously offered to 'coordinate' this.

Jim will announce where, but the current plans is for an 8:00pm dinner on Monday Evening. I expect to be at the restaurant by 7:00pm.

Jim will be announcing where we will be meeting..

Also, due to the fact that I am out of town, my e-mail response will be spotty for a few days.

Keith Sproul

Keith Sproul	Ham Radio: WU2Z
Student Housing Network Coordinator	ksproul@noc.rutgers.edu
Rutgers University Computing Services	908 445-3695 Work 908 445-2968 Fax
http://www-ns.rutgers.edu/~ksproul/	908 821-4828 Home

Date: Sat, 16 Nov 1996 23:34:55 -0500
From: "KB8UAS John Feist" <bugg@newreach.net>
To: <aprssig@tapr.org>
Subject: Re: Unwarranted/unwanted attachment
Message-ID: <199611170434.XAA14886@ns.newreach.net>

I too had this problem...Internet Explorer E-mail
KB8UAS
bugg@newreach.net

> From: schiers@ames.net
> To: aprssig@tapr.org
> Subject: [APRSSIG:6463] Re: Unwarranted/unwanted attachment
> Date: Saturday, November 16, 1996 10:18 PM
>
> In <890598abbs.ames.net>, on 11/16/96 at 01:42 PM,
> aprssig@tapr.org said:
>
> >***** PLEASE USE YOUR RETURN EMAIL ADDRESS IN ALL MESSAGES *****
>
> Amen! My ISP is doing the same thing. He is changing programs in a month
> or two, but in the mean time and for the last
> several months, I have EXACTLY this problem. Please, everyone add your
> email address to your signature, as I find it hard to believe that the n9
> and I are the only ones having this

> problem. 73,
>
> hasan schiers, NOAN
> -----
> schiers@ames.net
> -----
>

Date: Sat, 16 Nov 1996 23:48:26 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: Re: MAPFIX27
Message-ID: <Pine.GS0.3.95.961116234620.18396A-100000@arctic>

On Sat, 16 Nov 1996, jud wrote:

> I am trying to add roads that i have tracked to an existing local map. I
am
> using MAPFIX27, typing T for task and G for gps overlay. So far so good.
My
> GPS track overlays the map nicely. Now the problem. How do I draw the
> roads on to the map? I tried E for edit and A for add a point, but as I

APRSdos REPLY/COMMENT: Use E for EDIT and N for NEW. This will let you
begin a new feature.. From then on, use EDIT -ADD to ADD points. Without
doing the EDIT-NEW, you were adding points to whatever feature you
happened to have hooked at the time.. Rather than using EDIT-ADD, use
EDIT-LOCK once, then on, just hit A for add...

Reply mail addr: wb4apr@amsat.org
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Sat, 16 Nov 1996 20:46:54 -0800
From: Jim Duncan <ku0g@sprynet.com>
To: aprssig@tapr.org
Subject: Re: Kansas City Supper

Message-ID: <199611170446.UAA10122am1.sprynet.com>

At 21:59 11/16/96 -0600, you wrote:

>

>I will be in Kansas City Monday evening for diner with any APRS people
>interested.

>

>Jim Duncan has graciously offered to 'coordinate' this.

>

>Jim will announce where, but the current plans is for an 8:00pm dinner on
>Monday Evening. I expect to be at the restaurant by 7:00pm.

>

>Jim will be announcing where we will be meeting..

>

>

The Kansas City APRS Working Group will host a dinner/get-acquainted session
with KEITH SPROUL, WU2Z, (co-author extraordinaire of WinAPRS and MacAPRS)
on Monday evening, November 18th.

Time and place will be announced to the SIG on Sunday evening immediately
after the KCAWG weekly net (146.79 voice -600, 2000 CST) when we all decide
where to meet!

We are pleased to have Keith joining us for an evening in Kansas City as he
travels through the Midwest on vacation!

73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
EMail: ku0g@kcaprs.com
EMail: ku0g@sprynet.com

Date: Sat, 16 Nov 1996 21:23:15 -0800
From: "THOM PROEHL" <tmproehl@nwlink.com>
To: <aprssid@tapr.org>
Subject: Re: killer mail
Message-ID: <199611170523.VAA17612@montana.nwlink.com>

In response to Dale's Question: I use IE 3.1 Mail (4.70.1155), Procomm's
mail reader, Netscape, and Pine, depending on where I am at. All with the

same results. Until my ISP flushes my mail out of the spool, all I get is the Fatal Error.

Not sure this will help, but thought anyone having the same problem would like to know.

Thom / kc7fzo

> From: Dale Seaburg <dseaburg@web-access.net>

> To: aprssig@tapr.org

> Subject: [APRSSIG:6462] Re: killer mail

> Date: Saturday, November 16, 1996 6:25 PM

>

> Robert Winingham wrote:

> >

> > >I too had problems with the mail item APRSSIG: 6396.

> >

> > I have seen seven of these since 9/28/96

> > #5220

> > #5566

> > #5576

> > #5797

> > #6422

> >

> snip...

>

> I have not had one of these messages stop my copy of Netscape. What

> kind of browser or email package is everyone using that causes this?

> Just curious... There has to be a reason!! :-)

>

> > 73

> >

> > Bob - Dallas,TX --- kc5ejk@onramp.net or kc5ejk@amsat.org ---

>

>

> 73 - Dale. KG5LT

> dseaburg@web-access.net

>

Date: Sun, 17 Nov 1996 17:25:36 +1100

From: Dennis James <denniswj@aljan.com.au>
To: aprssig@tpr.org
Subject: Re: killer mail
Message-ID: <1.5.4.32.19961117062536.0067c5c8@aljan.com.au>

I had same problem with the Internet explorer its internet mail and lost a lot of mail, so now I use Eudora and since I've had no problems.

Dennis

Scone

The Horse Capital of Australia

denniswj@aljan.com.au

VK2DOR

Satellites U0-22 K0-23 K0-25

At 14:10 16/11/96 -0600, you wrote:

>I too had problems with the mail item APRSSIG: 6396. This was about
>the eighty fifth message in a batch being downloaded , it caused the
>mail program to crash with the loss of all the bulletins. Using
>Internet Explorer Mail program I couldn't log back on to my ISP.
>Tried another machine and Eudora and all was OK. Re loaded Internet
>Mail , cleared the IN-Box and now running normally apart from having
>lost the mail items.

>

>-----

>> From: Roy Bost <rbost@itexas.net>

>> To: aprssig@tpr.org

>> Subject: [APRSSIG:6449] killer mail

>> Date: 16 November 1996 17:07

>>

>> I'm having a serious problem with the SIG! When attempt[ting to
>down load

>> my e-mail form my ISP, I'm getting a FATAL ERROR on the message
>after

>> message #6395 (should be 6396?). This message is preventing me
>from

>> downdloading my e-mail and thus has effectively stopped me from
>receiving

>> any e-mail!

>

>

Dennis

Scone

The Horse Capital of Australia

denniswj@aljan.com.au
VK2DOR
Satellites U0-22 K0-23 K0-25

Date: Sun, 17 Nov 1996 09:25:04 -0600 (CST)
From: Gerald J Creager <gerry@cs.tamu.edu>
To: aprssig@tapr.org
Subject: GIS-LIS '96
Message-ID: <199611171525.JAA00600@solar.cs.tamu.edu>

Anyone else going to be there? I'm presenting either Tuesday or Wednesday morning in the GPS applications arena. I'd be interested in meeting anyone who's also involved in the professional aspects.

73, gerry

--

Gerry Creager N5JXS
Research Assistant, Mapping Sciences Laboratory, Texas A&M University
n5jxs@tamu.edu gerry@rsgis3.tamu.edu
409.845.9425
"Not an Official Document of Texas A&M or the Mapping Sciences laboratory"

Date: Sun, 17 Nov 1996 10:33:57 -0500 (EST)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
To: aprssig@tapr.org
Subject: Re: DOS APRS in WIN95 in Background!
Message-ID: <Pine.3.89.9611171029.A22263-0100000@bcfreenet>

I have tried minimizing the DOS APRS program but it has problems recognizing the com: port data, seems to add little gibblits to the call signs, etc. It also seems to hog the computer. The F10 key does work and work well.

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

Date: Sun, 17 Nov 96 09:30:11 -0500
From: schiers@ames.net
To: BordingK@aol.com
Cc: aprssig@tapr.org
Subject: Re: WinAPRS 1.1.7
Message-ID: <199611171556.JAA03462@tapr.org>

In <890652abbs.ames.net>, on 11/16/96 at 03:01 PM,
BordingK@aol.com said:

>In a message dated 96-11-15 14:55:46 EST, you write:

><< schiers@ames.net >>

>So, I'm to understand that you're using a U-2000 with WinAPRS and it's
>seeing and sending wx packets? I've tried everything and have not gotten
>WinAPRS to display weather info and/or transmit it.

In short, yes. Let's make sure we are comparing apples and apples. I have
run and continue to run WinAPRS since version 1.00 with a U-II and then a
U-2000. The initial configuration was:

Win95, AMD DX2/80, 12 mb RAM, 800x600 cirrus pci video, 65K colors, U-II
next

Win95 + Service Pak1, Same CPU, 20mb RAM, ditto video, U-2000

current:

Win95 + Svc Pak1, Pentium 133, 32mb RAM, Diamond pci vid, U-2000

I receive and tx wx perfectly. In early versions, WinAPRS would not auto
transmit wx, but it was reading the data properly and had to be manually
sent, i.e., Settings > Transmit Weather. That has been fixed for the last
several versions.

I am running an AEA DSP 2232 dual port tnc in gateway service between 30m
and 2m.

Until this version, 117, there has been a consistent bug in wx decoding of STAND ALONE systems. They appear to have fixed part of the problem, but I still don't think it is parsing all of the data properly from stand alone wx stations (not running aprs).

In addition, WinAPRS still does not remember the VHF wx transmit interval if you change it. It defaults to 30min, and I have to change it to 15 every time I restart the program. This is a known bug, but low on the priority list for fixing. (It's been there since version 1.00)

***** IMPORTANT *****

Make sure you are running your U-2000 in the FULL DATA output mode. Do not select packet mode or any other mode. Neither DOS or Win APRS will work if you don't have the data mode set properly in the U-2000.

As of a version or so ago, DOS APRS would still not work properly with my system. For many, many versions dosAPRS has been hardware dependent when using a U-2000. It has serial port problems with some hardware configurations that seem to relate to having high speed FIFO'd UARTs. The symptom is "buffer over-flow" error messages.

>Set as 2400 baud, the data is visible in the WINAPRS Terminal, WX window, >but does not show in the Weather Display within APRS or transmit.

I see the wx in terminal mode if I look at that port, and as mentioned above, I display, transmit and receive all wx info, with the caveat about properly decoding stand-alone wx systems.

>Even Keith Sproul said they knew they had a problem and the hoped to get >it fixed soon. As I said, the Peet Tech guy said they had had no luck in >getting it to work either. Strange that Keith thinks they have a >problem.

Maybe they do have a problem, similar to Bob's problem with dosAPRS, i.e., it works with some systems, but not with others. I can only say it works with mine, and always has (since they first claimed support for the U-2000). This means it has worked with two different motherboards, two different video cards, three different memory configurations, and both with and without the Win95 service pak.

>Well, hope 1.1.7 makes a difference!

>Ken

OK...now after all of that...did 117 make the difference for you?

hasan schiers, NOAN

schiers@ames.net

Date: Sun, 17 Nov 1996 11:03:39 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: METEOR SCATTER last night!
Message-ID: <Pine.GS0.3.95.961117105433.22634A-100000@arctic>

Before your HEARD log gets too old, look at your MAP and heard log closely. The Leonids were supposed to peak last night at 2 AM. I saw 4 possible MS contacts on my map this morning. (Just plane old APRS, not MS mode).

You will not be able to prove they were MS, because all of them of course had digi paths on them, and of course, I heard them via the last WIDE (cant be avoided since I am surrounded by WIDE's! But here's why these are suspect:

N8AJD-10 digi in Ohio. path 450 miles. path was W,W over mountains so no tropo..

WA4SSP WX stn in NC. path abt 450. path was w,w, over mtns, etc

RACES RACES stn in NC... same as above

ARGH! Even though the asterix was by the last WIDE, I FORGOT to look at the left column on the heard log to see if I had also heard them direct!

The only other time I have ever seen any VHF stations in Ohio was during the Persids 2 years ago.

Conclusion: There were bound to be some MS DX packets, even though they may also have hit a digi or 2 along the way. Look on your map for contacts more than 300 and less than 1200 miles that are new, and then check it out..!

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Sun, 17 Nov 1996 09:59:46 -0600

From: Paul Moller <paulmoll@enteract.com>

To: aprssig@tapr.org

Subject: Re: Trimble Ant. for GPS45

Message-ID: <3.0b28.32.19961117095932.006f2b20@enteract.com>

A while ago there was talk that the Trimble antenna can cause permanent damage to the gps45. Has there ever been a documented case of this?

I am currently using a home made attenuator to reduce the signal into the gps45, and would like to remove it. Any advice would be appreciated.

At 03:45 PM 11/16/96 -0600, you wrote:

The bar graph shows more satellites and much stronger signals.

WD9ABE

Paul Moller

Date: Sun, 17 Nov 1996 10:26:48 -0600

From: joefoor@digitalexp.com (Foor, Joe)

To: aprssig@tapr.org

Subject: Return address?

Message-ID: <19961117162642842.AAC201@dial-22.marianna.fl.digitalexp.com>

In a message dated Sat, 16 Nov 1996 13:53:37, Roger wrote;

> Many people are posting messages to the sig and signing off the messages

>with their name only.
> My ISP shows all messages as coming from APRSSIG in the from header. If
a
>person sending a message only puts in their name, there is no way, thru my
>ISP at least, to send them a private response. I have no email address to
>send them private mail. All reply are forced back thru the sig and wasting
>bandwidth on the SIG. This means we are forced to read messages that apply
>to one person only and are not appropriate to the whole SIG.
>
> ***** PLEASE USE YOUR RETURN EMAIL ADDRESS IN ALL MESSAGES *****

Since other people echoed Roger's complaint...

Some e-mail software allows you to show either an abbreviated version
of the message header, or the whole thing. If you show the entire
message header, you will see the address of the originator.

For example, with Juno, you pull down the "OPTIONS" menu and click on
"show headers".

regards,
Joe kf4dys

End of APRSSIG Digest 771

From aprssig@tapr.org Mon Nov 18 09:29:31 1996
Received: from tapr.org by n7rig.ampr.org (JNOS1.10h) with SMTP
id AA1623 ; Mon, 18 Nov 96 08:51:32 UTC
Received: from tapr.org (localhost [127.0.0.1]) by tapr.org
(8.7.5/8.7.3/1.9) with SMTP id KAA19711; Mon, 18 Nov 1996 10:39:29 -0600
(CST)
Date: Mon, 18 Nov 1996 10:39:29 -0600 (CST)
Message-Id: <199611181639.KAA19711@tapr.org>
Reply-To: aprssig@tapr.org
Originator: aprssig@tapr.org
Sender: aprssig@tapr.org
Precedence: bulk
From: aprssig@tapr.org

To: aprssig@tapr.org
Subject: [APRSSIG:6512] APRSSIG digest 772
X-Listprocessor-Version: 6.0 -- ListProcessor by Anastasios Kotsikonas
X-Comment: Tucson Amateur Packet Radio APRS Special Interest Group
Status: R

APRSSIG Digest 772

Topics covered in this issue include:

- 1) Re: MSCAT Saturday nite-Sunday morning
by Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
- 2) Re: killer mail
by "Dale Heatherington" <wa4dsy@wa4dsy.radio.org>
- 3) KPC-3 & Other Kantronics Version #s
by "Alan K. Unangst" <alanwc7r@primenet.com>
- 4) RE: Return address?
by "Carolyn Cavanagh" <cjcavanagh@msn.com>
- 5) APRS in 73
by Bob Bruninga <bruninga@nadn.navy.mil>
- 6) Re: DOS APRS in WIN95 in Background!
by Mike Heskett <mheskett@startext.net>
- 7) Re: Return address?
by rsellers@rockford.com (Roger Sellers)
- 8) Killer Mail
by rbost@itexas.net (Roy Bost)
- 9) Re: WinAPRS 1.1.7
by wb8vji@tir.com (wb8vji)
- 10) Re: Seattle APRS
by ddobbins@juno.com (David S Dobbins)
- 11) Re: DOS APRS in Win 95 background.
by Anthony Hickey <fhickey@neosoft.com>
- 12) MFJ 8621
by "Joseph B. Carter" <jbc5@po.cwru.edu>
- 13) Re: Trimble Ant. for GPS45
by Boyd Prestwood <w2hob@mosquito.com>
- 14) Re: killer mail
by "Eric A. Cottrell" <eac@shore.net>
- 15) Re: DOS APRS in WIN95 in Background!
by "Eric A. Cottrell" <eac@shore.net>
- 16) Re: DOS APRS in WIN95 in Background!
by John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
- 17) APRS in BACKGROUND

by Bob Bruninga <bruninga@nadn.navy.mil>
18) 76to77e.zip
by Bob Bruninga <bruninga@nadn.navy.mil>
19) 76to77ee.zip
by Bob Bruninga <bruninga@nadn.navy.mil>
20) New & revised digi
by "Bruce W. Martin" <martinbw@telalink.net>
21) Re: killer mail
by "John W.(Bill) Hays - w00mv" <billh@netins.net>
22) Re: APRSSIG digest 771
by "Jim Neely" <jneely@eden.com>
23) Re: 76to77e.zip
by Geoff Peacock <geoff@maf.mobile.al.us>
24) Re: 76to77ee.zip
by Jim Duncan <ku0g@sprynet.com>
25) Re: 76to77ee.zip
by rkramer@merge1.mergetel.com (Ronald Kramer)
26) Re: Trimble Antenna and GPS45
by rkramer@merge1.mergetel.com (Ronald Kramer)
27) Re: APRS in BACKGROUND
by "Aaron Morrison" <ae4ko@magicnet.net>
28) Re: killer mail
by "mail.conknet.com" <kml@conknet.com>
29) Re: killer mail
by "Joseph B. Carter" <jbc5@po.cwru.edu>
30) KC Meets with Keith Sproul Information!
by Jim Duncan <ku0g@sprynet.com>
31) Re: 76to77ee.zip
by Doug Wittich <dwittich@concentric.net>
32) Downloads
by Les Blalock <lcb911@apex2000.net>
33) Re: killer mail
by Bob Lorenzini <hwm@netcom.com>
34) Re: METEOR SCATTER last night!
by Mark Humphrey <mark@y100.com>
35) Re: Seattle APRS
by dougwe@ccintnet.wrq.com

Date: Sun, 17 Nov 1996 10:40:05 -0600
From: Larry Keeran <lmkeeran@rs6000.cmp.ilstu.edu>
To: aprssig@tapr.org

Subject: Re: MSCAT Saturday nite-Sunday morning
Message-ID: <2.2.16.19961117164005.268fb768ars6000.cmp.ilstu.edu>

At 09:45 PM 11/16/96 -0600, you wrote:

>Leonids, may well be the best for the next century or so, according to Sky
&
>Telescope. They peak this weekend, but I've been seeing 30-50/hour rates
here
>for a week.

Thank you Gerry, No MSCAT reports received here overnight Saturday.
/\
Larry M. Keeran K9ORP IS Data Processing Equip Tech k9orp@amsat.org
EC McLean Co-CIPRUS, Inc-PresCIRC-VP QCWA-Life ARRL-APRSM-APRS-TAPR#762
\ /\

Date: Sun, 17 Nov 96 12:00:03
From: "Dale Heatherington" <wa4dsy@wa4dsy.radio.org>
To: "aprssig@tapr.org" <aprssig@tapr.org>
Subject: Re: killer mail
Message-ID: <m0vPAZk-0001ErCawa4mei.radio.org>

On Sat, 16 Nov 1996 18:28:36 -0600 (CST), Jacques C. VOISIN wrote:

>I have the same feeling, I have internet explorer mail on 1 machine and std
>slip on a laptop with EUDORA. never had problems with EUDORA Everytimes the
>system locked up was with Explorer Mail
>Jacques Voisin

Another data point.... I've never had any problems at all with this SIG
using OS/2 Warp and PMMail.

Dale Heatherington, WA4DSY
e-mail - wa4dsy@wa4dsy.radio.org
e-mail - daheatha@ibm.net (in case the first one doesn't work)

Web page - <http://www.wa4dsy.radio.org>
This message brought to you by OS/2 Warp v4

Date: Sun, 17 Nov 1996 10:17:49 -0700
From: "Alan K. Unangst" <alanwc7r@primenet.com>
To: aprssig@tapr.org
Subject: KPC-3 & Other Kantronics Version #s
Message-ID: <2.2.32.19961117171749.0067cb08@mailhost.primenet.com>

For the SIG member who was looking for the latest version number for the K PC-3 Eprom and software, this and all other "latest" version numbers, can be found at help://www.kantronics.com

Hope that this helps.

73, Alan

Alan K. Unangst, WC7R
Phone: (520) 445-1465
E-mail: alanwc7r@primenet.com
Amateur Radio Packet: WC7R @ KB7FRV

Date: Sun, 17 Nov 96 17:27:18 UT
From: "Carolyn Cavanagh" <cjcavanagh@msn.com>
To: aprssig@tapr.org
Subject: RE: Return address?
Message-ID: <UPMAIL02.199611171726550514@msn.com>

I have no problem finding private return address. It is embedded in header. With Microsoft Exchange , highlight name of sender after the APPRSIG with mouse. A right click opens a small window and clicking "properties" show full e-mail address. While it is highlighted u can click 'edit' 'copy' and have the address ready to 'paste' into any private reply. Highlight only the name and no spaces before and after.

This was discovered by stumbling around. Microsoft's help files were useless.

Jack, KB4XF

cjcavanagh@msn.com

Date: Sun, 17 Nov 1996 12:43:12 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: APRS in 73
Message-ID: <Pine.GS0.3.95.961117123701.23896A-100000@arctic>

APRS is the feature article in 73 magazine December issue. I submitted it in Feb 1996, so dont take it as the "latest word" in APRS, hi hi

And the full screen color graphics sure look weak in black and white. But you can refer your buddies to this article if they want something to read about APRS...

P.S. if your call typically shows up in some of my favorite BACKUP files, then you will probably see your call on the maps! Get a copy for your scrapbook!

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Sun, 17 Nov 1996 11:37:55 -0600
From: Mike Heskett <mheskett@startext.net>
To: aprssig@tapr.org
Subject: Re: DOS APRS in WIN95 in Background!
Message-ID: <328F4D73.5464@mail.startext.net>

John W Wilson wrote:

>

> I have tried minimizing the DOS APRS program but it has problems...

>

> John W. Wilson, KN4HX

> z004391b@bofreenet.seflin.lib.fl.us

In WIN31, if you invoke APRS from a PIF file (copied from the PIF that invokes the DOS prompt), APRS behaves properly when in DOZ mode and then minimized with Alt-ESC.

I am not sure how you mimic the PIF file in WIN95, but that may give you something to research.

==/==/==/==/==/==/==/==/==/==/==/==/==/==/==/==/==/==/==/

Mike Heskett email mheskett@startext.net

WB5QLD packet WB5QLD@W05H.#DFW.TX.USA.NOAM

Hurst, TX

0-

Date: Sun, 17 Nov 1996 12:20:30 -0600 (CST)

From: rsellers@rockford.com (Roger Sellers)

To: aprssig@tqpr.org

Subject: Re: Return address?

Message-ID: <199611171820.MAA11292@tqpr.org>

>> ***** PLEASE USE YOUR RETURN EMAIL ADDRESS IN ALL MESSAGES *****

>

>Since other people echoed Roger's complaint...

>

>Some e-mail software allows you to show either an abbreviated version

>of the message header, or the whole thing. If you show the entire

>message header, you will see the address of the originator.

>

>For example, with Juno, you pull down the "OPTIONS" menu and click on

>"show headers".

>

>regards,

>Joe kf4dys

>

>

Hi Joe, I use Eudora 1.4.3 and this does not allow such configuration. I plan to purchase the newest Eudora Pro soon. Maybe this will be the fix, but I suspect its from my IP. But thie simplest solution would be for all to just include your email address along with name and ham call. Concider it a courtesy.

73,
Roger Sellers
Amateur Radio: KB9LBU
E-Mail Home: rsellers@rockford.com
kb9lbu@juno.com
E-Mail Work: rsellers@snds.com

Date: Sun, 17 Nov 1996 12:48:12 -0600
From: rbost@itexas.net (Roy Bost)
To: "APRS SIG" <aprssig@taapr.org>
Subject: Killer Mail
Message-ID: <19961117184748767.AAA160@rbost.itexas.net>

Thanks for all responses! I had stumbled on to the workaround of loading up and running a different E-Mail program (E-mail Connection) before my ISP had a chance to wipe my mail account! I was suprised by the number of responces and glad to fine out it wasn't something I had done! Ha!

Roy Bost, N5TAM
Granbury, Tx.
rbost@itexas.net
32 25' 33"N 97 48' 59"W

Date: Sun, 17 Nov 1996 14:20:20 +0500
From: wb8vji@tir.com (wb8vji)
To: aprssig@taapr.org
Subject: Re: WinAPRS 1.1.7
Message-ID: <199611171920.0AA06741@tir.com>

>In <890652@bbs.ames.net>, on 11/16/96 at 03:01 PM,
> BordingK@aol.com said:
>
>>In a message dated 96-11-15 14:55:46 EST, you write:
>

>><< schiers@ames.net >>

>

>>So, I'm to understand that you're using a U-2000 with WinAPRS and it's
>>seeing and sending wx packets? I've tried everything and have not gotten
>>WinAPRS to display weather info and/or transmit it.

>

I have tried every thing to get it to work also. Had no success until I
started running window95. Are you using window 95 or windows 3.xx????

Tom Carpenter (WB8VJI)

wb8vji@tir.com

Date: Sat, 16 Nov 1996 22:47:49 PST

From: ddoobbins@juno.com (David S Dobbins)

To: aprssig@tapr.org

Subject: Re: Seattle APRS

Message-ID: <19961117.113917.4487.1.ddoobbins@juno.com>

OK Phil. Stay tuned. Do you hear any APRS activity. You might try pinging
the system using RELAY, or WIDE, or W7FEN. O P pings the system. U and
WIDE or etc changes the outgoing path.

David S. Dobbins/WH6YC

Greater Northwest APRS Coordinator

(Montana, Idaho, Oregon, Washington)

(360) 291-3707

ddoobbins@juno.com

Date: Sun, 17 Nov 1996 13:51:16 -0600

From: Anthony Hickey <fhickey@neosoft.com>

To: aprssig@tapr.org

Subject: Re: DOS APRS in Win 95 background.

Message-ID: <328F6CB4.303C@neosoft.com>

I run DOS APRS in windows background almost 24/7 using the windoz
feature. everything seems to work well and most the data goes through
(I lose some when running CPU hogging programs in the foreground), but
there is at least one program that I know of that turns on the "always

suspend" feature under the misc. properties. I end up with a H-list with several Hours missing even when this program is idle! and all the stations are completely grayed out, and I obviously get very frustrated. I have also discovered that minmizing APRS causes it to cease to collect data, other programs do that also such as Eudora when I have new mail. (I use Netscape mail now)
I have a utility that displays percent CPU time used. APRS dozing in foreground is about 80%, backround 35-50% , and minimized is pretty close to nothing. The program almost always shows some CPU idle time as well.

OK, so what I want to know is if there is a way to permanently turn off the "always suspend" checkbox and not let other programs interfere when it is running full-screen?

Thanks, Anthony AB5QR
fhickey@neosoft.com

Date: Sun, 17 Nov 1996 16:05:06 -0500
From: "Joseph B. Carter" <jbc5@po.cwru.edu>
To: <Aprssig@tapr.org>
Subject: MFJ 8621
Message-ID: <199611172103.QAA14043@babar.INS.CWRU.Edu>

I have an MFJ 8621 for sale.
Factory set to 145.79
like new, in the box
\$95

Joe Carter
jbc5@po.cwru.edu
W9JC
W9JCaWA8BXN.NEOH

"Two sorts of truth: trivialities, where opposites are obviously absurd, and profound truth, recognized by the fact that the opposite is also a profound truth."

Niels Bohr

Date: Sun, 17 Nov 1996 16:37:57 -0500 (EST)
From: Boyd Prestwood <w2hob@mosquito.com>
To: aprssig@tapr.org
Subject: Re: Trimble Ant. for GPS45
Message-ID: <199611172137.QAA23007@itchy.mosquito.com>

At 10:07 11/17/96 -0600, WD9ABE wrote:

>A while ago there was talk that the Trimble antenna can cause permanent
>damage to the gps45. Has there ever been a documented case of this?

W2HOB REPLY: I've been using a Trimble active antenna on 1 GPS-45 for
coming up on a year now and on 2 GPS-20s for a couple of months. None of
them shows any problems... all boot up just fine... no glitches... my
opinion was this was unsubstantiated hype for whatever reason.

Have fun es 73 de Boyd
w2hob@mosquito.com

Date: Sun, 17 Nov 1996 16:46:21 -0400
From: "Eric A. Cottrell" <eac@shore.net>
To: wa4dsy@wa4dsy.radio.org
Subject: Re: killer mail
Message-ID: <848267181-0-eac@shore.net>

Hello,

>Another data point.... I've never had any problems at all with this SIG
>using OS/2 Warp and PMMail.

Amazing! Another OS/2 Warp user!

I've never had any problems at all with the OS/2 version of Lotus Notes
Mail,
but I only subscribed Saturday 8→.

BTW is there an OS/2, Java, or Opendoc version of APRS available?

73 Eric WB1HBU eac@shore.net AMSAT-NA & AMSAT-UK <numbers available on request>

Warp Merlin Enabled and Proud!

Date: Sun, 17 Nov 1996 16:52:22 -0400
From: "Eric A. Cottrell" <eac@shore.net>
To: Aprssig@tapr.org
Subject: Re: DOS APRS in WIN95 in Background!
Message-ID: <848267542-0-eac@shore.net>

>I am not sure how you mimic the PIF file in WIN95, but that may give
>you something to research.

PIF files are still there. Microsoft hid them under "Properties" (right
button mouse click on the object).

There is more dos and windows 3.1 stuff in 95 then you think.

73 Eric eac@shore.net WB1HBU APRS-wanna-be

Date: Sun, 17 Nov 1996 17:43:05 -0500 (EST)
From: John W Wilson <z004391b@bcfreenet.seflin.lib.fl.us>
To: aprssig@tapr.org
Subject: Re: DOS APRS in WIN95 in Background!
Message-ID: <Pine.3.89.9611171714.B9644-0100000@bcfreenet>

I guess that this is what I tried to say in my first message, that the
DOS APRS program works fine running minimized if you first hit the F10 key.

I have since gone to WIN APRS on my WIN95 computer because I also run
WISP for my satellite programs. I don't want to continually run APRS in
the background where I can't see it running, so the only solution was to
change to a program that is compatible with the time slice environment
that Windows provides.

I prefer the ease of operation that DOS APRS offers. I just wish that the DOS version could live in a DOS window in WIN95 while running other programs, such as my WISP, in other windows.

John W. Wilson, KN4HX
z004391b@bcfreenet.seflin.lib.fl.us

On Sun, 17 Nov 1996, Mike Heskett wrote:

```
> John W Wilson wrote:
> >
> > I have tried minimizing the DOS APRS program but it has problems...
> >
> > John W. Wilson, KN4HX
> > z004391b@bcfreenet.seflin.lib.fl.us
>
> In WIN31, if you invoke APRS from a PIF file (copied from the PIF that
> invokes the DOS prompt), APRS behaves properly when in DOZ mode and then
> minimized with Alt-ESC.
>
> I am not sure how you mimic the PIF file in WIN95, but that may give
> you something to research.
>
> ===/===/===/===/===/===/===/===/===/===/===/===/===/===/===/===/
> Mike Heskett      email mheskett@startext.net
> WB5QLD            packet      WB5QLDaW05H.#DFW.TX.USA.NOAM
> Hurst, TX
> O-
>
```

Date: Sun, 17 Nov 1996 18:27:11 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: APRS in BACKGROUND
Message-ID: <Pine.GS0.3.95.961117182424.29784G-100000a@arctic>

APRS is wasting a lot of CPU time just waiting for the keyboard or serial port. Someone who is smart in QBasic once sent me a note that if you call

INTERRUPT XX when your program finishes its tasks, that that will allow WINDOZ or other multi-taskers to steal the CPU immediately... This would be easy for me to add, if that person would again remind me how to do it....

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Sun, 17 Nov 1996 18:36:07 -0500 (EST)

From: Bob Bruninga <bruninga@nadn.navy.mil>

To: aprssig@tapr.org

Subject: 76to77e.zip

Message-ID: <Pine.GS0.3.95.961117183245.242A-100000@arctic>

Im just uploading the upgrade file tonight for a quick look before comitting tot he full version. This versions attempts to correct a few small bugs. If you have reported one of these bugs, plese leemme know if I fixed tthem:

Ver 77e:

- * 77d would not let you use your 12th OPS-DIGI call. FIXED
- * If you have MAPS-FEATURES-CALLS off, then WX info still shows...
- * MAPFIX28 shows the name of the map you are working on on top of screen
- * If ur 1st msg is to REPLY it will be sent in reply to all incoming msgs
- * New MAPS-WHICH command will list all XXmapsXX.ZIP distro files that you have loaded into ur MAPS directory (if the distro map-maker included a file by the name of XXmapsYY.TXT in his MAPS directory).
- * Now, just hitting the MAPS command will display the current map NAME in the upper right corner. Just hit return to finish the menu.
- * Added INTERFACE TERMINAL to INITTAPR.TNC to properly init KANTRONICS
- * Tried to fix GPS mobiles sometimes going to a BUOY symbol
- * Now show AVG-GND-LVL on TAB control bar for debugging Davis-BARO
- * POSIT changes now properly overwrite the POSIT comment field.
- * New maps for Grand Rapids MI, Reading PA, Neast colorado

I will be uploading the 76to77e.zip file beginnning now...

Reply mail addr: wb4apr@amsat.org

See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Sun, 17 Nov 1996 18:46:34 -0500 (EST)
From: Bob Bruninga <bruninga@nadn.navy.mil>
To: aprssig@tapr.org
Subject: 76to77ee.zip
Message-ID: <Pine.GS0.3.95.961117184539.498A-100000@arctic>

I blew it the first time, but cannot delete it, so I changed the name and uploaded it correctly as 76to77ee.zip...

Reply mail addr: wb4apr@amsat.org
See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

Date: Sun, 17 Nov 1996 17:55:36 -0600
From: "Bruce W. Martin" <martinbw@telalink.net>
To: aprssig@tapr.org, bruninga@nadn.navy.mil
Subject: New & revised digi
Message-ID: <9611171755.AA36052@oscar.telalink.net>

New digi in the Middle Tennessee area:

WB0N00-1>APRS,WIDE,WIDE:!3556.97N/08600.41W#PHG7760/WIDE-RELAY..Short
Mountain
TN

Digi callsign change - Club call change from KF4AJ0 to NT4L.

NT4L-1>BEACON,WIDE,WIDE,TN:!3554.58N/08653.90W#PHG5330/WIDE-
RELAY.Fistfighters
United Nashville

--

* Bruce W. Martin Internet: martinbw@telalink.net *
* 4558 Brooke Valley Dr. HAM Call: KQ4TV *
* Hermitage TN 37076-2650 Voice: (615) 872-7733 *
* FAX/MODEM: (615) 872-0045 APRS:3610.50N/08635.50W *
* "Being a Mac user is like being a Navy SEAL: a small, elite *
* group of people with access to the most sophisticated *
* technology in the world, who everyone calls on to get the *
* really tough jobs done quickly and efficiently." *
* -- Nick Lehmann *

Date: Sun, 17 Nov 1996 22:24:52 +0000
From: "John W.(Bill) Hays - w0omv" <billh@netins.net>
To: aprssig@tapr.org
Subject: Re: killer mail
Message-ID: <328F90B4.467D@netins.net>

I'm using Netscape ver 2.0 with a Macintosh and no problems.
Are there any other Mac users having problems?
73,
Bill - w0omv billh@netins.net

Date: Sun, 17 Nov 96 17:43:16 -0500
From: "Jim Neely" <jneely@eden.com>
To: "aprssig@tapr.org" <aprssig@tapr.org>
Subject: Re: APRSSIG digest 771
Message-ID: <199611180004.SAA20400@matrix.eden.com>

I have been running the Trimble antenna since Dayton on the GPS-45 and have seen no problems, just better signals. I run it straight into the receiver, no attenuator.

There are some others in the area using the Trimble antenna and GPS-45 around here. No reported problems. They work well together.

jn

On Sun, 17 Nov 1996 10:33:54 -0600 (CST), aprssig@tapr.org wrote:

>Date: Sun, 17 Nov 1996 09:59:46 -0600
>From: Paul Moller <paulmoll@enteract.com>
>To: aprssig@tapr.org
>Subject: Re: Trimble Ant. for GPS45
>Message-ID: <3.0b28.32.19961117095932.006f2b20@enteract.com>
>
>A while ago there was talk that the Trimble antenna can cause permanent
>damage to the gps45. Has there ever been a documented case of this?
Jim Neely
jneely@eden.com WA5LHSatapr.org

Date: Sun, 17 Nov 1996 18:28:06 -0600 (CST)
From: Geoff Peacock <geoff@maf.mobile.al.us>
To: aprssig@tapr.org
Subject: Re: 76to77e.zip
Message-ID: <Pine.SOL.3.91.961117182618.4220A-100000@ans1>

On Sun, 17 Nov 1996, Bob Bruninga wrote:

> Im just uploading the upgrade file tonight for a quick look before
> comitting tot he full version. This versions attempts to correct a few
> small bugs. If you have reported one of these bugs, plese leemme know if
> I fixed tthem:

Any luck w/ remote Ultimeter 2000 showing their data ???

Geoff Peacock
Mobile Area Free-Net, Inc.
-----o00__()__00o
-
geoff@maf.mobile.al.us (334) 405-4600

Date: Sun, 17 Nov 1996 16:32:17 -0800
From: Jim Duncan <ku0g@sprynet.com>
To: aprssig@tapr.org
Subject: Re: 76to77ee.zip
Message-ID: <199611180032.QAA19618am1.sprynet.com>

At 17:46 11/17/96 -0600, you wrote:

>I blew it the first time, but cannot delete it, so I changed the name and
>uploaded it correctly as 76to77ee.zip...

>

>Reply mail addr: wb4apr@amsat.org

>See APRS LIVE: <http://web.usna.navy.mil/~bruninga/aprs.html>

>

I just tried to download both of the files. Get a Netscape error "unable to find file....." Better try again?

73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
EMail: ku0g@kcaprs.com
EMail: ku0g@sprynet.com

Date: Mon, 18 Nov 1996 00:41:25 GMT
From: rkramer@merge1.mergetel.com (Ronald Kramer)
To: aprssig@tapr.org
Subject: Re: 76to77ee.zip
Message-ID: <329cb047.2577265357@mail.mergetel.com>

On Sun, 17 Nov 1996 17:46:35 -0600 (CST), you wrote:

>I blew it the first time, but cannot delete it, so I changed the name =
and

>uploaded it correctly as 76to77ee.zip...

>

Bob .. I just tried to FTP 77ee but it gives me a permission denied
also same with 77e, yet I was able to ftp another small file to check
out to see if I could FTP and it downloaded ok, So something is still
wrong on the TAPR site with your two files...

73 de Ron

Email: rkramer@mergetel.com

Packet: ve3mx@ve3snp

Best Regards

ve3mx@mergetel.com

Date: Mon, 18 Nov 1996 00:48:33 GMT

From: rkramer@mergetel.com (Ronald Kramer)

To: aprssig@tapr.org

Subject: Re: Trimble Antenna and GPS45

Message-ID: <329db127.2577489382@mail.mergetel.com>

I've been running various external antenna's with the gps45 with no problems other than blowing the fuse in the garmin power cable when I accidentally shorted something out. Have used the Raytheon, Garmin, amplified antenna's along with the patch antenna from QST, and now the Trimble one from Paccomm, boy that is a nice small high gain antenna, shure makes the other's look sick in size, and rfi from radio xmitters is down considerably from the other's.

I just cut the coax and put a bnc crimp on connector or and away we go...

73 de Ron

Email: rkramer@mergetel.com

Packet: ve3mx@ve3snp

Best Regards

ve3mx@mergetel.com

Date: Sun, 17 Nov 1996 19:54:34 -4

From: "Aaron Morrison" <ae4ko@magicnet.net>

To: Bob Bruninga <bruninga@nadn.navy.mil>, aprssig@tapr.org

Subject: Re: APRS in BACKGROUND

Message-ID: <199611180054.TAA00505@magicnet.magicnet.net>

> Date: Sun, 17 Nov 1996 17:24:52 -0600 (CST)

> Reply-to: aprssig@tapr.org

> From: Bob Bruninga <bruninga@nadn.navy.mil>

> To: aprssig@tapr.org

> Subject: [APRSSIG:6494] APRS in BACKGROUND

```

> APRS is wasting a lot of CPU time just waiting for the keyboard or
> serial port. Someone who is smart in QBasic once sent me a note
> that if you call INTERRUPT XX when your program finishes its tasks,
> that that will allow WINDOZ or other multi-taskers to steal the CPU
> immediately... This would be easy for me to add, if that person
> would again remind me how to do it....
>
> Reply mail addr:  wb4apr@amsat.org
> See  APRS  LIVE:  http://web.usna.navy.mil/~bruninga/aprs.html
>
>

```

I didn't send the original, but this is what you want. This is sent to both Bob directly and to the List (just in case anyone wanted to know how to tell windows that the current program is just sitting there!)

BTW, this is from Ralf Brown's interrupt list -- excellent resource for programmers like ourselves.

```

-----
INT 2F 1680 - MS Windows, DPMI, various - RELEASE CURRENT VIRTUAL MACHINE
TIME-SLICE

```

Category: W - MS Windows

Inp.:

AX = 1680h

Return: AL = status

00h if the call is supported

80h (unchanged) if the call is not supported

Notes: programs can use this function in idle loops to enhance performance

under multitaskers; this call is supported by MS Windows 3.0, DOS 5+,

DPMI 1.0+, and in OS/2 2.0+ for multitasking DOS applications does not block the program; it just gives up the remainder of the time slice

should not be used by Windows-specific programs

when called very often without intermediate screen output under WIN

3+,

the VM will go into an idle-state and will not receive the next slice

before 8 seconds. This time can be changed in SYSTEM.INI through "IdleVMWakeupTime=<seconds>". Setting to zero results in a long wait.

SeeAlso: INT 15/AX=1000h,INT 15/AX=5305h,INT 21/AH=89h,INT 7A/BX=000Ah
INT 2F

This will _definitely_ make APRS more windows friendly. I've used this in other programs and have seen processor usage go from 100% to under 3%.

73

--

ae4ko@magicnet.net "I drank what?" - Last words of Socrates.
<http://www.magicnet.net/~ae4ko/home.html>
Orlando, FL

Date: Sun, 17 Nov 1996 21:29:36 +0000
From: "mail.conknet.com" <kml@conknet.com>
To: aprssig@tapr.org
Subject: Re: killer mail
Message-ID: <328F83C0.38A0@conknet.com>

No problem with PowerMac7200 running Netscape 3.0 Gold.

Dan W1UR

Date: Sun, 17 Nov 1996 21:38:18 -0500
From: "Joseph B. Carter" <jbc5@po.cwru.edu>
To: <aprssig@tapr.org>
Subject: Re: killer mail
Message-ID: <199611180243.VAA25863@arthur.INS.CWRU.Edu>

> From: John W.(Bill) Hays - w00mv <billh@netins.net>

> To: aprssig@tapr.org

> Subject: [APRSSIG:6498] Re: killer mail

> Date: Sunday, November 17, 1996 19:08 PM

>

> I'm using Netscape ver 2.0 with a Macintosh and no problems.

> Are there any other Mac users having problems?

> 73,

> Bill - w00mv billh@netins.net

>

>

Well I have to fess up but it is hard. I too have been getting dumped out of my

Microsoft Explorer mail program, and learned early on to just go to my wife's Mac

(running Netscape 2.0) and I could download it fine! Once the list was cleared I could

go back to my Bill Gate's wonder program and my PC. First I had to take my wife's

ribbing about Mac superiority, and now I confess publicly!

Joe Carter, W9JC (ex AA8SF)

jbc5@po.cwru.edu

Date: Sun, 17 Nov 1996 18:48:56 -0800

From: Jim Duncan <ku0g@sprynet.com>

To: aprssig@tapr.org

Subject: KC Meets with Keith Sproul Information!

Message-ID: <199611180248.SAA16650@ml.sprynet.com>

The dinner and get-acquainted meeting with Keith Sproul (WU2Z) is set up for MONDAY, NOV. 18TH, 7:00 P.M. The location is APPLEBEE'S GRILL located at I-29 and Barry Road, east side. Keith will socialize beginning at 7:00 p.m. with dinner around 7:30 - 8:00 p.m.

We hope that everybody within a reasonable drive of Kansas City will come down and visit!!!

Talk-in will be on 146.79 VOICE (-600 shift)...

73 de Jim, KU0G
Chairman/Coordinator
Kansas City APRS Working Group
EMail: ku0g@kcaprs.com
EMail: ku0g@sprynet.com

Date: Sun, 17 Nov 1996 22:09:51 -0500
From: Doug Wittich <dwittich@concentric.net>
To: aprssig@tapr.org
Subject: Re: 76to77ee.zip
Message-ID: <1.5.4.32.19961118030951.006de770@pop3.concentric.net>

>I just tried to download both of the files. Get a Netscape error "unable
to
>find file....." Better try again?
>

With ws-ftp95, I get a permissions problem.

Doug dwittich@concentric.net N3VEJ

Date: Mon, 18 Nov 1996 08:41:18 -0600
From: Les Blalock <lcb911@apex2000.net>
To: aprssig@tapr.org
Subject: Downloads
Message-ID: <1.5.4.16.19961118083557.1fcfc950@apex2000.net>

There is apparently a change in procedure or a problem with the TAPR ftp
server.

I uploaded a new version of AutoWx and found the same problem - the file is

inaccessible.

(BTW Bob... My first upload of this update was incomplete, also - maybe we can blame the server for the "blown" uploads this time.)

les/N5K0A

<http://www.apex2000.net/personal/lcb911/main.htm>

Date: Mon, 18 Nov 1996 07:19:19 -0800 (PST)
From: Bob Lorenzini <hwm@netcom.com>
To: aprssig@tapr.org
Cc: "mail.conknet.com" <kml@conknet.com>
Subject: Re: killer mail
Message-ID: <XFMail.961118072106.hwm@netcom.com>

Pine and XF-Mail (unix) have no problems with mail from this SIG.

E-Mail: Bob Lorenzini <hwm@netcom.com>
Date: 11/18/96
Time: 07:19:23

-----XF-Mail

Date: Sun, 17 Nov 1996 23:29:56 -0500
From: Mark Humphrey <mark@y100.com>
To: aprssig@tapr.org
Subject: Re: METEOR SCATTER last night!
Message-ID: <328FE644.40A7@y100.com>

Bob Bruninga wrote:

>

> Before your HEARD log gets too old, look at your MAP and heard log
> closely. The Leonids were supposed to peak last night at 2 AM. I saw 4
> possible MS contacts on my map this morning. (Just plane old APRS, not MS
> mode).

>

Bob:

I copied KD4EBR-3 near Greenville, SC about 1900 EST Saturday 11/16 via the second WIDE (no GATES in his path), this could have been MS through the local digis. I also saw the RACES station in NC, but its path was WIDE,WIDE,WIDE,WIDE (and you thought three-in-a-row was bad).

73, Mark KE3XY near Philadelphia
markay100.com

Date: Mon, 18 Nov 96 08:14:48 PST
From: dougwe@accintnet.wrq.com
To: aprssig@tapr.org
Subject: Re: Seattle APRS
Message-ID: <9610188483.AA848333861@accintnet.wrq.com>

Is there anyone running APRS in Seattle or further northwest? If so please give repeater freq. Direct Email is ok.

VE7FBI

Seattle is on 145.79, look for W7FEN as the widest coverage digi.

Doug
K7IP
Seattle Area APRS Coordinator

End of APRSSIG Digest 772
